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SEPTEMBER, 1909

THE INDUSTRIOUS HEN



ONE YEAR 50c—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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WRITE TO
J. W. RUSSWURM, Sec.
For Free Catalogue



THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 6

Knoxville, Tenn., September, 1909

(Whole No. 64)

No. 4

THE BIG SOUTHERN FAIRS

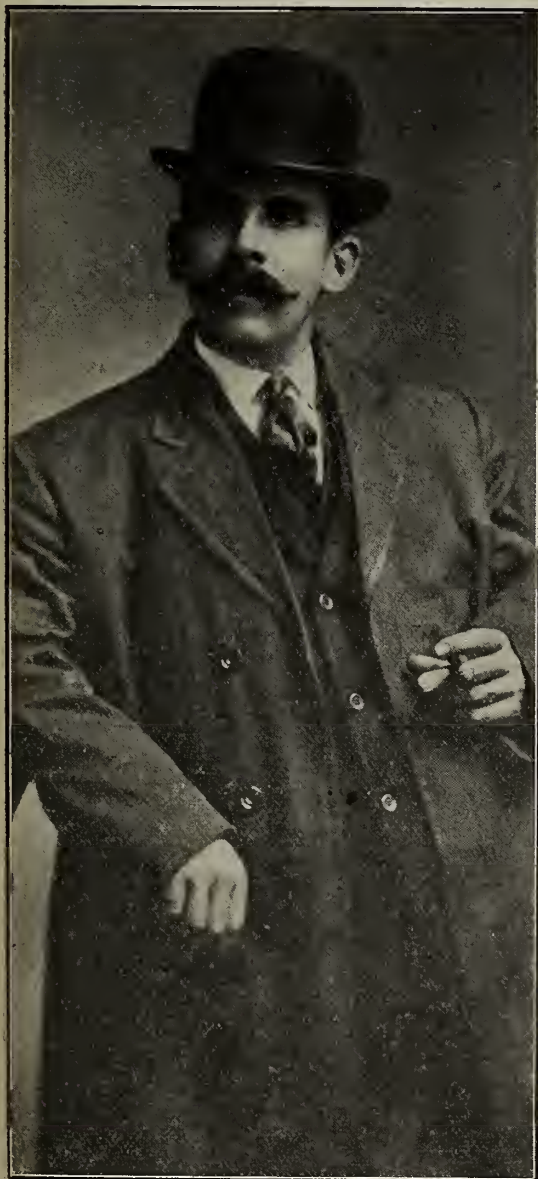


WRITTEN FOR THE
INDUSTRIOUS HEN

TENNESSEE STATE FAIR

NASHVILLE, SEPTEMBER 20-25, 1909

Judging by the reports that are being received daily, the Tennessee State Fair Poultry Show promises to eclipse anything that has been heretofore held at the Capital City.



Editor and
publisher
*Southern
Poultry
Magazine.*
He is President
of the South
Central Branch,
A. P. A.;
Superintendent
Poultry
Department
Tenn State
Fair, and
has recently
been made
Assistant and
Chief of Pub-
licity of the
Chicago Show.

JNO. A. MURKIN, OF NASHVILLE.

Last year there were over 3,500 entries, but it is confidently expected that the 5,000 mark will be reached at the fair, which begins Monday, September 20, and continues throughout the entire week.

This is a show of national reputation and the attendance from all over the country will be large. There will be many entries from Ohio, Illinois, Indiana, Missouri and

Kansas, and New England and the Eastern States will be well represented. Of course the South will be there "in full."

One of the most beautiful sights to behold is the Tennessee State Fair grounds at Nashville, and among the foremost of the attractions is the magnificent poultry building in the center. There is never a lack of interest here, day or night, and everybody seems more interested in inspecting the wonderful display of winged aristocracy than in any other of the many marvelous attractions within the grounds.

There will be an extensive list of regular cash prizes awarded at this show, besides the following list of special prizes has been announced.

\$50 in gold and a handsome silver cup, value \$50, to be known as the Tennessee State Fair Poultry Cup, for the best and largest display of any one breed.

\$25 in gold to second best display; \$15 in gold to third best display; \$10 in gold to fourth best display; \$5 in gold to fifth best display.

\$20 for the best and largest display of Bantams, divided, \$10, \$7, \$3.

\$15 for the best and largest display of pigeons, divided \$7, \$5, \$3.

\$20 for the best and largest display of turkeys, divided, \$10, \$7, \$3.

\$25 in gold offered for best pen of chickens in the American, Asiatic or Mediterranean classes; competition limited to Alabama, Kentucky and Tennessee, offered by Nashville Banner.

The following competition limited to pens owned by Tennessee breeders:

Best pen Barred Plymouth Rocks, \$5; best pen White Plymouth Rocks, \$5; best pen Buff Plymouth Rocks, \$5; best pen Silver Wyandottes, \$5; best pen Golden Wyandottes, \$5; best pen White Wyandottes, \$5; best pen Columbian Wyandottes, \$5; best pen Partridge Wyandottes, \$5; best pen S. C. Rhode Island Reds, \$5; best pen R. C. Rhode Island Reds, \$5; best pen Buff Orpingtons, \$5; best pen White Orpingtons, \$5; best pen Black Orpingtons, \$5; best pen Light Brahmas, \$5; best pen Black Langshans, \$5; best pen Brown Leghorns, \$5; best pen White Leghorns, \$5; best pen Buff Leghorns, \$5; best pen Black Minorcas, \$5.

\$25 cup, offered by THE INDUSTRIOUS HEN, Knoxville, Tenn., for the best pen in the show.

\$25 cup, offered by *The Tennessee Poultry Journal*, Lebanon, Tenn., for the best pullet in the show.

\$15 cup, offered by *The Southern Poultry Magazine*, Nashville, Tenn., for the best cockerel in the show.

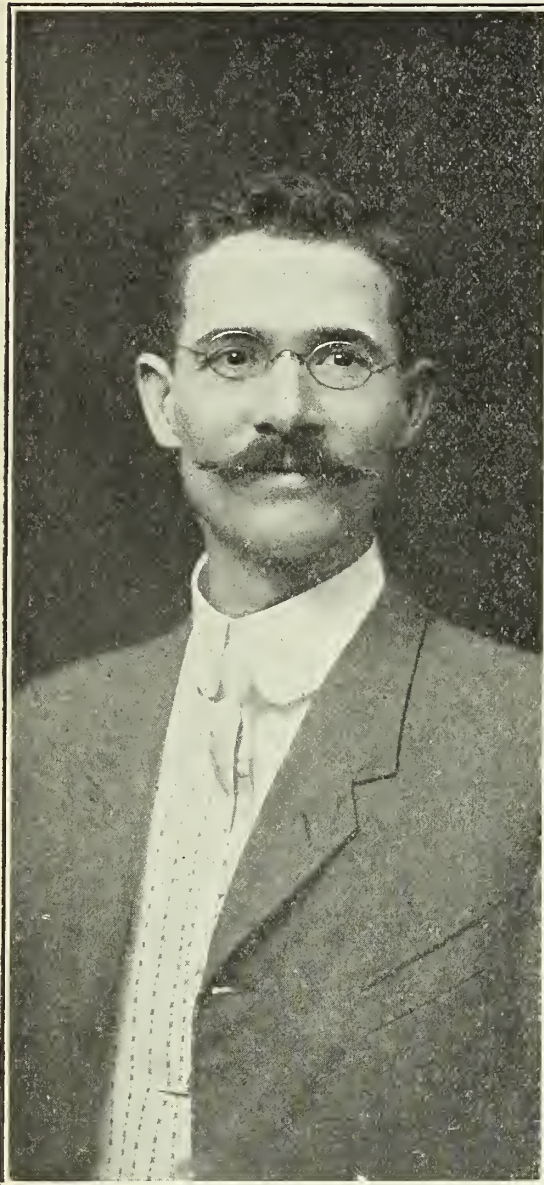
\$10 cup, offered by George R. Calhoun & Co., jewelers,

Nashville, Tenn., for best ten pullets exhibited by breeder.

\$10 cup, offered by J. H. Wilkes & Co., proprietors of Sunshine Poultry Foods, Nashville, Tenn., for best cock in show.

\$10 cup, offered by Acme Poultry Supply Co., Nashville, Tenn., for best hen in show.

THE INDUSTRIOUS HEN will be represented at the State Fair in the person of Mr. J. A. Dinwiddie, proprietor of the Chick-a-dee Farm, at New Market, Tenn., and he will refuse neither the subscriptions nor advertisements of any one having a desire to keep posted on the poultry industry in the South, or an inclination to help supply the great and growing demand for the very best stock and eggs to be obtained in the country. Mr. Dinwiddie will be found



Secretary-Treasurer and Manager of THE INDUSTRIOUS HEN. He was recently elected to the position of Secretary-Treasurer of the South Central Branch, A. P. A.; succeeding John A. Murkin, who was chosen as President of that Branch.

L. B. AUDIGIER, OF KNOXVILLE.

at our booth every day during the fair and will be pleased to meet each and every friend of THE INDUSTRIOUS HEN.

It should be noted in this connection that too much cannot be said in praise of Mr. John A. Murkin, superintendent of poultry department of the State Fair, through whose untiring zeal, energy and ability the State Fair show, has been brought up to take rank with the best shows in the United States, those in the larger cities in other sections of the country not excepted. Mr. Murkin has succeeded in creating and holding such an interest in the State Fair Poultry Show throughout the country that success is absolutely assured; nay, it is already attained. And this in the face of the fact that, during the busiest time, he has had to care for a sick wife and mourn the loss of an only sister. We yield to no one in commending such magnificent devotion to duty.

ARKANSAS STATE FAIR

HOT SPRINGS, OCTOBER 7-13, 1909

The great pure food show and exposition department that will occupy the first floor of exposition palace and extensive space in the midst of the live stock and machinery departments will be a stupendous feature of the Arkansas State Fair this year.

Already many firms, both in and out of the state, representing almost every line of manufactured products, are arranging for space in this interesting and instructive department.

Now is the time for those who wish to reach the citizens of Arkansas with demonstrations of wares to get in correspondence with the State Fair before all such space is engaged. The same is true in the concession department. The Fair Association has applications for all classes of refreshment and amusement stands and these contracts are being rapidly closed.

It is fully assured that every department and division of our State Fair will be much bigger and better than ever before, and no time is to be lost by those who want a prominent showing in any department.

Applications for horse, cattle, swine, sheep and goat stalls are more than during any previous year. Fully 3,500 entries in the poultry department are in sight, and the thousands of feet in the agricultural, horticultural, educational and ladies' divisions will be filled with a splendid and varied array of choice exhibits.

One of the unique features of the poultry and pet division of the Arkansas State Fair this year will be an exhibition of capons mothering broods of incubator chickens. This exhibit is now being arranged by Mr. Harry Westcott at his model White Plymouth Rock Poultry farm at Chalysbeate Springs. He will show motherly old roosters caring for broods of 70 to 150 chickens, each in modern runways and coops.

ALABAMA STATE FAIR

BIRMINGHAM, OCTOBER 11-21, 1909

The poultry department of the Alabama State Fair, with E. H. Galusha as superintendent, is sure to be one of the biggest and best conducted attractions in the poultry show line in the South this season. There is a large list of regular prizes to be awarded, and this is supplemented by a pleasing number of special prizes of exceptional value.

All exhibitors should plan to make this show. Entries will close October 11, and premium list and information should be asked for at once.

TRI-STATE POULTRY SHOW

MEMPHIS, SEPT. 28 TO OCT. 2, 1909

"On to Memphis with that string of high grade birds." That is the slogan that is going out over the country and the reason why they want your high grade birds is to stock a vast territory that has been neglected for the past ten years. In the rush and development of the larger resources, the poor hen has been neglected, but she is coming into her own and every one is buying the finest there is in the land to get a new start, and if you have the birds you will find Memphis the best market in the United States. That is the reason they are offering such liberal premiums. They want a display of the finest birds in the country to select from, so if you are in the market with fine birds to sell send them to Memphis.

The great Tri-State Fair is being extensively advertised and we can count on from 250,000 to 300,000 attending from Mississippi, Arkansas, Tennessee and Texas, and with the large new building centrally located everyone will visit the poultry exhibit.

A winning at this show will be something to crow over and the awards will be published in all the large poultry journals in the country. Entries are coming in very fast and



R. C. STOCKTON

Secretary and Superintendent in
charge of the Tri-State
Poultry Show

it would be well for you to get yours in early so that a suitable space can be reserved for you. Their new building will be the finest ever built for the care and display of poultry, being triangular in shape, 20 feet front on north end, 300 feet long and 60 feet on south end. This will give 13,500 square feet of floor space, and 3,300 running feet of new cooping. It has large windows on both sides, with a double row of Texas skylights. This will insure the best of ventilation and light.

Every detail has been carefully looked after for the health and comfort of the birds. They will be fed on the purest mixed grain and plenty of fresh water, grit and green stuff will be provided.

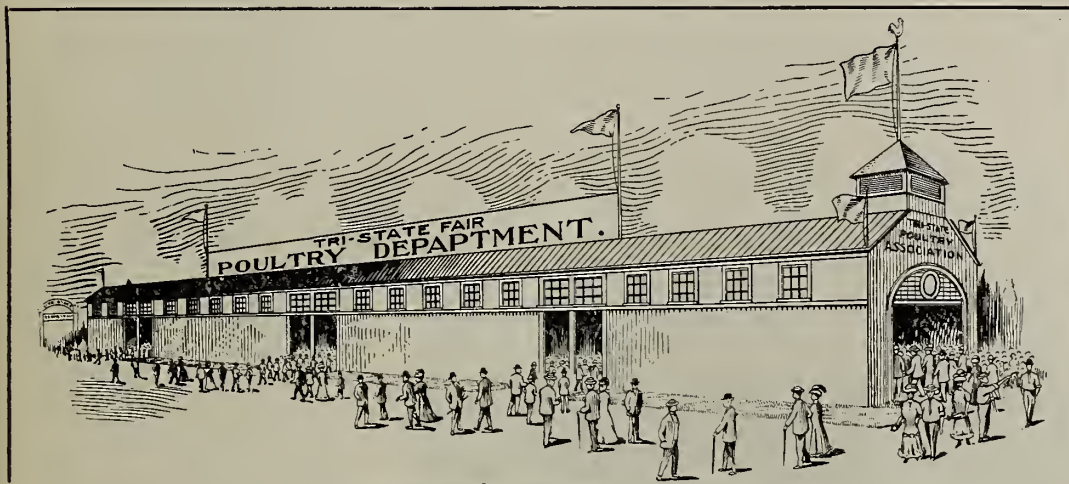
It will pay any poultryman to attend this show; but if you cannot be present, send your birds. They will be given every attention upon their arrival and carefully looked after.

With such judges as Theo. Hewes, F. J. Marshall and S. T. Campbell, you may depend upon getting all that is coming to you in the way of prizes. For further information address R. C. Stockton, Supt., 10 N. Second St., Memphis, Tenn.



C. E. COE

President, Tri-State Poultry
Association



POULTRY BUILDING
TRI-STATE FAIR
MEMPHIS, TENN.

FEEDING CORN

Written for The Industrious Hen:

Asked to give my views and experiences on the subject of feeding corn to poultry, will say, in the outset, that I do not believe it is possible for any one poultryman to decide for another, without knowing the conditions surrounding his plant, what is best to feed his flock. Practically every plant has its different conditions of soil, green food, etc., and what would be successful, as a feed, for one plant, would probably prove a failure for another.

The following remarks apply only to plants having free range. My fowls have unlimited range on the finest of blue grass, clover, plowed fields, orchard and woods.

I have tried every variety of grain feed grown in this section, and have found that whole corn, in limited quantities, is not only sufficient, but is the best feed I can give, both as regards health and egg production, and that at a cost of 65c per year. per hen—while a neighbor, whose plant is less than half a mile distant, finds it necessary to feed twice and three times what I do. Have fed corn lavishly and found it would not do. Have fed cracked corn, in fact always feed it to young stock, and have found the older fowls will leave it for whole; while the young will, early in life, do so, too; just as soon, in fact, as they can swallow the whole grains.

Now, as for egg production; with some growing stock on hand, I fed more than twice as much corn as I am now feeding, during the months of November, December and January, my egg production being for November 35 per cent, December and January averaging 52 per cent. February I cut down corn feed 25 per cent; egg production, 50 per cent. March 1st I cut down the corn feed to three gallons per 100 fowls per day; egg production, 30 per cent. March 10th I further cut corn down to 2½ gallons per 100 hens per day; egg production 50 per cent or better now.

In the morning, just as soon as the fowls have picked up the last grain, which is about the time I have quit throwing it to them, they start for the fields and meadows. Sev-

eral times I have tested them and as long as I would throw corn they would call for more; but when no more was thrown they started for something else, and evidently got it. They have grass the year round; water-cress for the picking, and, I believe, bugs and worms ten months out of the twelve, for one feed of beef scrap will last them three or four days, and that fed at long intervals.

Fowls in East Tennessee are always in good condition (that is in their natural state), during the winter months, unless the ground is covered with snow for several days. Nature has provided a way for them to live during these months, and man has improved these conditions by cultivating the fields; hence I believe that where the conditions are similar to those I have given, poultrymen are feeding too much grain; not that it is harmful, but that it is unnecessary.

Where fowls are forced to, they will balance their own rations, if they can, but if fed till their crops are chock-a-block, they must, necessarily wait till that crop-full is ground before they feed again. You may fill a mill-hopper full, but it won't be ground any faster than if you gradually feed it its running capacity. And what is a chicken's crop but a hopper?

A neighbor with a flock of good layers reports that he started out this winter feeding whole corn heavily; finally quit feeding, allowing his flock free access to the crib. He says they ate less corn and laid more eggs.

Of course, to get winter eggs, the hens must have the proper amount of the right kind of food, and the question is, how much do they get off the range, and how much is it necessary to make up by feeding.

In my case, I think all that is necessary is to start them out with a good working capital in the morning, then give them enough at the close of the day to carry them through the long night, as a fowl working on free range grinds up its food about as fast as it takes it in—at least I never saw one off the range, with a full crop—winter or summer.—H. G. ROGAN, Russellville, Tenn.

THE OLD - TIME BREEDS



WRITTEN FOR THE INDUSTRIOUS HEN
BY MICHAEL K. BOYER

IN THE days of our forefathers many of the breeds of the present day were unknown. On the other hand, many of the breeds of today originated from some variety popular in our grandfathers' days.

From data at hand we learn that about 1850 there was a breed known as the "Bucks County Breed," it being a cross made by the poultry fanciers of Bucks County, Pennsylvania. Like all new breeds, it was claimed to be "a good layer, good setter, and good mother; the eggs large and nutritious; the flesh white, firm, tender, and finely flavored." It was also said to be the equal of the Dorking fowl, the pride of England, and at that time very much thought of by American poultrymen. In the States of New Jersey and Pennsylvania the breed was prized for caponizing, its weight running from 16 to 18 pounds to the pair.

From what can be learned the Bucks County Breed was bred in a variety of colors. Felch says they were buff mongrels, an extraction from Buff Cochin or Buff Shanghai on native stock. According to Bement (a well known authority of his day), he secured a pair which had different plumage. The color of the cock was a dark blue-black, with the ends of the feathers tipped with white; wings tinged with a yellow or golden color; hackles dark glossy blue; rose or double comb, and large wattles; bold, lively carriage and a stately walk. The hen did not differ much from the cock in color,

will be remembered by those long interested in the Brahmas, that in 1863 to 1885, and later, there was quite a paper war as to the first Brahmas having pea or single combs—Mr. Burnham and the Kerr faction claiming that they had single combs. Thus were they striving to secure to the Gray Shanghai or Chittagong breeds the credit of producing the Brahmas. To keep in evidence the fact that the Chamberlain strain, the birds that Knox found in the India ship in New York harbor, in 1847, and their subsequent progeny, were pea comb, I had this bird set up, when some thirteen years old, although it was late, and the plumage all discolored and falling off. He was hatched in 1850, a descendant of those New York lot of birds, and when he was set up, the work made him so much of Game shape that we never took care of him. I bought the bird for one dollar, and sold thirteen of his descendants for thirteen hundred dollars. It is safe to say that, were there a truthful record kept, more Brahmas in the United States could trace their lineage to him than any other Brahma of the past times."

The Shanghai seemed to be in the front seat in 1860, but it was closely crowded by the Brahmas and Cochins. The Shanghai was then the largest fowl in the country, weighing as much as 22 to 26 pounds to the pair at maturity.

There was considerable controversy at that time whether



A Few of the
Poultry Houses,
A. G. Clark's
Rhode Island Red Farm.
Willoughby, Ohio

and was very similar in form, being deep, plump and thick-set in body; short legs; medium size and dark color; high single comb, serrated, falling over to the side, and large wattles. It is plain that Mr. Felch knew what he said when he declared them to be mongrels, as they neither bred true to comb nor had a fixed color.

Originally, we are told, this cross was known as the Ostrich fowl, probably on account of its size, but later on it assumed the local title.

Even with all its shortcomings from a breeding standpoint, its fame spread, and it became popular in parts of New England. Mr. Bement secured the pair referred to from a gentleman in Boston. Dr. Kittridge, of New Hampshire, then more or less prominent in poultry matters, purchased some stock from a breeder in Montgomery county, Pennsylvania, but he said that at that time the variety was known as the "Booby fowl."

But the Bucks County Breed received its fatal blow when the Asiatic varieties became more generally known and popular. This was about 1860, and from then on we can find no trace of the cross.

Four varieties of the Asiatic family were known and bred in America about 1860, viz: the Cochin China, the Dark Brahma, the Chittagong, and the Shanghai. Prior to that, George P. Burnham, of Massachusetts, originated and bred what he called the Gray Shanghais, and in 1852 he sent nine of these birds to England, as a present to Her Majesty, the late Queen Victoria.

The impression, in some way or other, became general that the light Brahmas sprung from these Gray Shanghais, but that was a mistake, as in 1896, I. K. Felch exhibited at the Boston Show a stuffed carcass of a Light Brahma cockerel that came direct from England.

The following interview between the writer and Mr. Felch took place shortly after that show, and appeared in the *Farm-Poultry* of March, 1896:

In reply to a number of questions, Mr. Felch said: "It

the Shanghais, Brahmas and Cochins were varieties of the same class, or distinct breeds. Bement said they were different varieties of the same breed, claiming that fowls imported from China, whether feather-legged or smooth-legged, whether dark or light in plumage, came either directly or indirectly from Shanghai or its vicinity.

The Chittagongs came next in line, and it must be said of them that they bred very uniform in both color and shape. At one time, too, it was said that the Hoang Ho fowls were the most valuable of the breeds of Asiatics, but we have so little reliable data regarding them that we cannot venture an opinion.

In the early sixties the White Faced Black Spanish were very popular throughout New Jersey, Pennsylvania and Ohio, noted for large, white eggs, and the number of them that they produced.

At the present day, with the exception of the Brahmas and Cochins, and with a limited number of breeders of Black Spanish, none of the old-time breeds are with us. And of the remaining breeds, the Brahmas, especially the Light Brahmas, are the only ones that have not only held their own, but are still forging ahead. The Cochins are less bred than they were ten years ago, and the Black Spanish variety is seldom advertised.

There is but one way to build up the utility of a flock and that is by proper selection. If each year the eggs from only the best layers are used for hatching purposes, each generation will become prolific; and this can also be greatly assisted by securing new males from some strain that have been likewise carefully selected. In this work of selection the trap-nest is the only reliable indicator.

**Tennessee State Fair Poultry Show, Nashville,
Sept. 20-25. Jno. A. Murkin, Supt.**



SECRETARY CAMPBELL'S ADDRESS

BY S. T. CAMPBELL, SEC.-TREAS. AMERICAN POULTRY ASSOCIATION



[At the recent meeting of the American Poultry Association, at Niagara Falls, N. Y., the following ringing address was delivered to the Association by the newly elected Secretary and Treasurer, Judge S. T. Campbell, of Mansfield, Ohio.]

Mr. President, Ladies and Gentlemen of the American Poultry Association:

As the newly elected and qualified Secretary and Treasurer of your Association, one on whom devolves the duty of answering your correspondence and of attending to the various kinds of work connected with that office during the coming year, I realize the advantage of being able to meet you face to face at a meeting of this kind. It has been suggested to me by our worthy President that I, at this time, address this convention, and he also stated that it would be well to reduce to writing that which I might have to offer or suggest to you.

In the brief address which I have prepared for this occasion, I have endeavored to incorporate several suggestions which will, I trust, assist me in the performance of my duty and result in the general welfare of the Association.

Inasmuch as this Association is one in which all have an equal voice in its management, and in which the sovereign will is vested in its members, I would indeed be ungrateful if I did not first of all, extend to you my thanks and appreciation for the honor you have conferred on me of representing you as its Secretary and Treasurer, and also for the confidence you repose in me.

The American Poultry Association is an organization of wonderful possibilities, having, in fact, unlimited territory in which to do its work. In the study of breeding birds, a world of information and knowledge lies before us, so that I am not unmindful of the fact that with this honor, for which I am truly grateful, there comes a great responsibility and labor.

Every member owes to the Association a duty—that of serving it in his individual capacity as best he can—but on me is laid the duty, not only of acting in my individual capacity, but in the capacity of servant to all; carrying out that well founded and well known doctrine that “a public office is a public trust,” and he only can do his full duty who uses all his powers to serve the people best.

As you all, like myself, are interested in the welfare of our Association, let me, at this time, impress on you the importance of a mutual co-operation among the members in this work. I am reminded at this time, of the well-known fable of the bundle of sticks; how an old man, thinking of the death which he knew he must meet, called together his seven sons, handed them a bundle of sticks bound together, and asked them to break them. They, in turn, tried, but were unable to do so. Then the old man took the bundle, untied it, and broke the sticks one by one. On seeing this, the boys exclaimed that, in that manner, it was an easy task. Thus they were taught the valuable lesson that “in union there is strength.” So let us exemplify the teaching of that ancient fable in the operation of our Association, and by the union and co-operation of every member, let us go about the task that awaits us in the coming year.

It was at the convention held in the National Capitol, Washington, in 1896, that my name was enrolled as a member. It was my privilege at that meeting to cast my first vote for George C. Brown for President, and D. Lincoln Orr for Secretary and Treasurer, both of whom proved worthy officials. For many years, meetings were held annually with seemingly little interest. During this time but few new members were added to the Association, the attendance averaging not to exceed forty; but it was at the meeting held in Cincinnati, in 1906, that the good old Association seemed to take on new life. It was there that a committee was appointed to prepare a new constitution, and the Secretary and Treasurer elected at this meeting received but thirty one votes. The new constitution drafted by this committee, the officers chosen at Cincinnati to put it into effect, and the good work accomplished by the present official members have revolutionized the Association, so that it has been changed from a dormant to an active state.

In a little more than two years we have doubled our membership, and instead of less than a half a hundred mem-

bers being present at our annual convention, we now have several hundred. Because of our popular form of government, and as our elections are held by ballot, thus granting everyone the privilege of casting a vote, at our last election more than nine hundred members voted.

We have about sixteen hundred members enrolled, but we should and can increase this number to five thousand. It is estimated that less than five per cent of the poultry breeders of America are members of the American Poultry Association. This condition should not exist, and, if during the coming year, each member will secure one new member, we shall not be long in doubling our membership.

The American Poultry Association should be just what the name represents to the community and the nation—a band of men schooled in the science of poultry raising and poultry breeding, banded together to gain assistance from each other and a better knowledge of that which we profess. It is indeed a great privilege to be a member of such an organization. The facts are, you do not belong to the American Poultry Association; the Association belongs to you. I feel assured that those who devote their time to the work and who become so proficient that they are accepted as judges at various exhibitions, are benefited by being members of an association that is not only state-wide but international in character.

To those men to whom the special opportunity will be afforded of making known the advantages of an association of this kind, I desire to say that, in the work of the coming year, you should endeavor to assist in bringing in new members, you who are able to know and to learn who should be solicited for membership. Let me urge you who are provided with special talents in this respect, do not bury them but use them, and I assure you that it will be pleasing to the Association to learn, at the end of the year, that the good, arising from your talents, has been many fold.

It has been said by one great orator that, “eternal vigilance is the price of liberty,” and it is for us, if we desire to gain the best results for our Association, to be vigilant in all things.

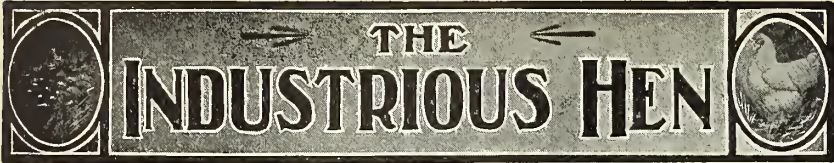
It is said that laws of a community are created as the needs and wants of the people demand them. We have now created the demand for parcel post system by showing that the community needs it. Let us strive to see that a law is enacted that will supply this demand.

This will call upon each one of us a duty of taking a special interest in the welfare of our country at large by seeing that the great underlying principle for which our government was founded, that of supplying the needs of the people and of avoiding oppression, is properly carried out.

No great reform was ever brought about without being first kindled, and then by continually adding fuel to the flames. In time, it has assumed such proportion that it has spread over everywhere. How can we assist in satisfying this need? Let us see that it is written on the platforms of our great political parties, and let us awaken the public mind to a full realization of what it means, ever bearing in remembrance that motto, “Vigilance.”

What further can we do? We can also endeavor to obtain from express companies better service and lower rates. Better service and lower rates are needed, and certainly would be a great stimulant to our poultry business. Let us be strong advocates of revision of rates, not upward, however, but downward.

In conclusion, let me say that what I need most, in the coming year, is your hearty support and co-operation with me in the work. I again thank you for this great mark of favor in selecting me for your Secretary and Treasurer, and wish to inform you that my home is in the beautiful city of Mansfield, Ohio; and although it is not like Rome of old, nevertheless all roads lead there, and should any of you, on any occasion, visit the city, bear in mind that my country residence lies in view of the city, easily located, and above all things, remember the latch string always hangs out.



DEVOTED TO EVERY INTEREST OF THE
Poultryman, Live Stock Breeder and Small Farmer
Entered at the Knoxville Postoffice as second-class matter

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C. W. Fowler, Southern Advertising Representative, Smyrna, Ga.

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H. V. TORMOHLN Special Contributor
PLUMMER McCULLOUGH Special Contributor
MRS. J. C. SHOEFNER Turkeys
S. S. NOBLE Kennel
ROBERT G. FIELDS Boys
E. E. PRYOR Pigeons and Bantams
MRS. FLORENCE W. FORBES Special Representative

Vol. 6 SEPTEMBER, 1909 No. 4

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to Poultry and kindred Industries. Contributions that are practical and pithy are solicited.
The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.
Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING BILLS
Bills for advertising in THE INDUSTRIOUS HEN are due and payable the first of the month following the one in which the advertising appears. A discount of ten per cent will be allowed those who pay in advance. A discount of five per cent will be allowed if bills are paid within ten days from date of invoice.

ADVERTISING RATES
Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

SPECIAL NOTICE TO SUBSCRIBERS
Your address on the wrapper indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "January 10," it means that your subscription is paid to January 1910, and unless renewed will be discontinued after that date.

If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired, and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to you regularly every month for the next three years.

SAMPLE COPIES
If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, mail us 50 cents for one year, or \$1 and have it come to you for three years. Thousands are doing this now, and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn..

EDITORIAL PARAGRAPHS

THE AMERICAN POULTRY ASSOCIATION

AT THE annual meeting of the American Poultry Association, which convened at Niagara Falls on August 10, much important work was accomplished.
The much talked of color disqualification question was effectually disposed of, and a motion to abolish them was defeated. All shape disqualifications heretofore recognized are retained, and an effort to have a decimal score card adopted did not carry. An amendment was adopted making it necessary in order to admit new breeds to the Standard that they be exhibited annually in three successive American Poultry Association Shows, the officiating judge to forward to the secretary a written report setting forth the qualifications of any such breeds for admission.
It was expected that there would be a warm fight in Rhode Island Red circles; but nothing of the kind happened, and the Red Club Standard was unanimously agreed upon.
The office of secretary-treasurer was abolished and hereafter there will be both a secretary and a treasurer, the treasurer to be elected by ballot and to receive a salary of \$1,500 a year. The executive committee will appoint a treasurer and fix the salary that he shall receive.
It is thought that the next edition of the Standard will be ready by the latter part of 1910. It will contain half-tone instead of line cut illustrations as heretofore.

* * * *

BOOM TIMES COMING

HAVING reference to the general revival of business in all lines throughout the country, the *Manufacturers' Record*, of Baltimore, has this to say:
"With the high prices ruling for wheat, corn and cotton, abounding prosperity seems to be assured. With the tariff out of the way; with magnificent crops, some harvested and some practically assured, the decks have been cleared for action. The winner of the battle for success will be the one who is ready to do business; who makes his readiness known far and wide. THE WAY TO DO THIS IS TO ADVERTISE."

* * * *

NEW POULTRY PAPER

A NEW poultry paper, *The American Poultry World*, is soon to make its appearance. It will be published at Buffalo, N. Y., and the editorial staff will be composed of the following well-known poultry writers: Grant M. Curtis, editor; P. T. Woods, M. D., managing editor; J. H. Drevenstedt, Standard editor; Wm. C. Denny, associate editor; Helen T. Woods, editor Woman's Department.
A 16-page prospectus will be ready for distribution about September 15, and our readers may procure a copy by addressing the publishers.

The initial issue of the new publication will appear the first of November, and that it will be a full-fledged success from the start is amply guaranteed by the personnel of the "men behind the guns."

* * * *

EXPERT DISCUSSION

The following letter from Congressman R. W. Austin is self-explanatory:
I have arranged with the Hon. James Wilson, Secretary of Agriculture, to send the ablest experts in the United States to each County seat in the Second Congressional District for the purpose of discussing certain important agricultural subjects for the benefit of the farmers. These meetings will take place in the Court Houses on the days and dates given below.
The subjects to be discussed will be purely for the advancement of agriculture, and in the interest of the farmers. I most cordially invite you to be present, and hope you will bring not only your family, but all other persons you think will be interested.
The discussion will begin at 10:30 in the morning, and continue during the day. It would be a good idea to bring your basket lunch so that no one will go hungry. At all points where the parties engage in this discussion, a stereopticon "Good Roads" lecture will be given at night by Mr. M. O. Eldridge, the best engineer on good roads in the United States.
There will be a free distribution of agricultural reports or year books, farmers' bulletins, and other public docu-

ments of interest to the farmers, and names and addresses will be taken for Government vegetable, flower and field seeds. I expect to be present at each of these meetings and will be pleased to meet you.

R. W. AUSTIN.

SPEAKERS AND SUBJECTS.

Farm Management..... { Prof. D. A. Brody.
 { Prof. W. J. Spillman
Poultry Prof. R. R. Slocumb
Fruit and Its Culture Prof. H. P. Gould
Good Roads Prof. M. O. Eldridge
The "Good Roads" meeting will be held at night, as the lectures on this subject will be illustrated by lantern slides.

PLACES AND DATES.

Jefferson County, Dandridge, Tuesday, September 21, 1909.
Hamblen County, Morristown, Wednesday, September 22.
Knox County, Knoxville, Thursday, September 23.
Blount County, Maryville, Friday, September 24.
Loudon County, Loudon, Saturday, September 25.
Union County, Maynardsville, Monday, September 27.
Anderson County, Clinton, Tuesday, September 28.
Campbell County, Jacksboro, Wednesday, September 29.
Roane County, Kingston, Thursday, September 30.
Scott County, Huntsville, Friday, October 1.

* * * *

CO-OPERATION IN MARKETING EGGS

IN THEORY it would seem easy for every community to co-operate in selling their eggs so as to get the very highest price. Poultry farmers do this in Europe, but Mr. Milo M. Hastings, recently of the United States Department of Agriculture says there is only one place in the United States where co-operation is practiced, and this is at Ruthven, Iowa.

Ruthven is a great farmer town. It has a farmers' creamery, a farmers' elevator, a farmers' bank, and numerous farmers' telephones and automobiles. The farmers' wives of Ruthven saw that the local merchants were not giving best prices. So they organized a shipping association of their own.

The association had twenty members, adopted simple rules, and shipped from four to five hundred dozen eggs per week. They tried to have at least one thousand laying hens and in as big flocks as possible. All members must sell no eggs except culls to outsiders. This was to keep the local merchants from breaking up the organization by offering temporary false prices. They ship temporarily, to a reliable commission merchant in the nearest large city. Every member must sell only fresh, large, clean eggs to insure success. After getting a solid reputation they send an agent to hotels, and fancy grocers to contract for a fixed price at so many cents above regular quotations. It is not necessary to add that the Ruthven association is a success. The wonder is that there are not thousands of them all over this country, as there are in Europe.—T.C.K.

* * * *

MOULTING HENS

SUPPOSE we leave the "u" out of "moulting" and write it simply "molting" for which there is the highest authority. The "u" does no good and costs more to make it.

But how do you manage molting hens? Different poultrymen have different ways. Here is one who thinks it best to coop them up for ten days or two weeks and feed only one-third their regular grain ration. Then he gives them full run of the farm and raises their grain to full feed, adding meat or green bone three times a week and skim milk. By following this plan and keeping the house clean and free from lice and giving plenty of fresh water he gets his hens through all right by November.

Another would hasten through with molting by having no late hatches of chicks—none after June. He would also hasten the molt by plucking out the old feathers and feeding to the hens an abundance of nourishing food. Also he would feed sunflower seed which furnish a feather tonic.—T.C.K.

* * * *

NATURE'S WAYS

HERE is a poultryman who wants us to follow nature's ways. He claims that fowls will be more vigorous and healthful by roosting in trees in the open air. Is he right? Consumptives are now getting well by sleeping out doors. It does look like there is something in it. And yet all our

building of houses and modern improvements can't be a mistake. The pith of the matter is to have pure air, whether in a house or out.

The wild birds sleep in the open air—at least most of them do. And they seem to be healthy. If they have diseases we don't know it. And they take their food in a natural way. They have no mashers and no prepared meat scrap. They pick up their food as they find it in nature. They work for it—hustle for it—and that gives them exercise and vigor. They chase the bugs and flies and scratch out worms from the ground.

Did you ever study a bird in his roosting habits? No; he doesn't sit out in an exposed place, but nestles in a clump of leaves or in the heart of a thick cedar top. This shows us the need of protection from cold and rain. He is protected but still has air. So after all, houses may be right. They are for protection, but at the same time must afford plenty of pure air. When your hens desert the stuffy, stinking old henhouse these hot nights and fly up to roost in the trees, it is to get pure air and to escape heat. If we keep their houses well aired and cool they will not care to go into the trees.

The quail, or the ground-sparrow makes its nest on the ground in the thick grass. When the hen steals out her nest she does the same, and she brings off a vigorous brood, unlike incubator weaklings. Here is a suggestion to put soil in the bottom of the hen's nest. Round it out and line it with moss and feathers. That is like nature, to which the hen is adapted. In all our art and progress we want to keep close to nature. That will not be obstructive to progress, but in furtherance of it, and it is the only road to permanent success in anything.—T.C.K.

* * * *

LATE SUMMER CARE

THE hardest period to get little chicks through is their babyhood, and many growers relax their vigilance when that time is past. Yet the late summer months require even more attention in some respects. The coops and houses must be cleaned more carefully while the heat is so excessive. More shade is necessary. A more frequent change of water is required and lice and mites must be more zealously combated.

In August and September, the desirability of large, airy quarters becomes more clearly apparent. The air is more sultry and the bodies of the chicks have more than doubled in size and need more room. Crowded coops are often responsible for a number of deaths in the heated season. Windows should be open, or at least protected with a thin muslin so as to admit plenty of fresh air. At the same time direct drafts should be avoided even in the warmest weather.

Hot weather is trying to the vitality of poultry and their vigor may be seriously reduced. Then they begin to droop and are much less resistant to the inroads of disease. The molting process is another strong draft on vitality and requires special attention to bring your layers through successfully, so as to start in promptly on the winter egg campaign.

The different grades of fowls also should have separate roosting places so the young and less vigorous may not be crowded out and trampled down by the old and strong ones. They should especially be fed separately and in a way to give all their due portion without crowding and scrambling. It is the only way to keep the young stock constantly advancing and prevent masterful members of the flock from eating inordinately and unprofitably.

I know that farmers are prejudiced against separate runs and houses and think it a waste of time to provide such things, but in this they are mistaken. The different classes can be easily trained to know their places and go to them even while having the general run of the farm.

Yet, with a single house, different perches and departments may be easily arranged so as to overcome many of the difficulties of promiscuous crowding. The young chicks may have low perches and the older ones roost higher up. Fitness and an accommodation to conditions should be constantly studied.—T.C.K.

Ducks as a rule are hardy. They do not have gapes. The weakest part of a duck is its legs. Indigestion is apt to show itself in the young, if course sand is omitted in the food. It is always best to put a handful of sand in a pail of mash food, mixing it thoroughly. This will aid digestion. The oily nature of the feathers, makes the duckling vermin proof. Exposure to hot sun is fatal. There should always be a partial shade to the runs.



DRAWBACKS IN THE POULTRY BUSINESS

BY C. W. FOWLER



THE POULTRY business has been on the increase for many years past, in fact ever since the introduction of thoroughbred poultry, until it has assumed immense proportions. However, it has not increased as rapidly as it should, owing to serious drawbacks, that could be remedied and should not exist at all.

Many of these drawbacks are caused by jealousy among poultrymen. Instead of pulling together and helping each other and thereby building up the industry of this country, they are constantly tearing it down. We see long controversies in poultry papers that are brought about simply through jealousy of the breeders and that amount to nothing only to disgust good people with the business and to lower themselves in the estimation of honest poultrymen everywhere. I do not mean that all controversies are of this kind, for there are some of which one side or the other is justifiable.

Again, we see editors of poultry papers who run their papers seemingly for nothing else only to write about others and keep up a general stir in the poultry world. I have seen it time and again when there was no cause for it, only the editor disliked some breeder or association or did it to gain notoriety. This is very disgusting to breeders as well as beginners, and wholly out of place. This brings to mind, though, that there are men running poultry papers who know nothing of the poultry business at all, and probably this accounts to some extent for the class above mentioned. They cannot say anything about poultry because they do not know it, and consequently they take up their time and space trying to drag down others. If they can't write something good they would be better off to write nothing at all. Again these editors are not the only people who damage the business with their writings. Many write articles for papers who know nothing whatever about the subjects upon which they write. They simply write to get their names in print and the industry would be much better off if they were never printed. When a beginner in the poultry business reads many of the articles printed these days it is enough to make him give up in disgust, when if he had been started off right he might have made an independent living from the start. He will almost always come to the conclusion that to be in the fancy poultry business he must have a nice big house with little runs on each side for the breeders, he must certainly have a nice little very costly brooder house and must go down in his pocket and buy some brooders and an incubator, when nine times out of ten he does not need them at all. He generally gets the idea that he can't raise many chicks without these things, when the chances are he won't raise many with them. Many a poor beginner has been lured into buying an incubator and brooders by an article from some slick incubator manufacturer or some breeder who thought he would get to sell him a hundred or two eggs, when he did not need an incubator at all and would better have given the money to the manufacturer and told him to keep the machine. Of course, if one is going into the broiler business, or is in the egg business with one of the non-setting-breeds, or has a trade in early show birds that he can't fill in any other way, then he should certainly get a good incubator and some heating arrangements for the chicks after they are hatched. I believe there are several good ones on the market. I have one myself that has run through several hatches and would not vary half a degree in the three weeks, but there are also many worthless ones, and these are some of the drawbacks that are hard to get rid of.

We need more editors who will tell the breeder the plain truth about these things even if it does lose them business of certain kinds. We need more writers to write only what they know; who are not afraid to tell the truth regardless of consequences. A breeder who will advise another to buy an incubator simply to get to sell him the eggs for it, when he knows it is not best, ought to be branded as a thief. I know they do this very thing and they go further than this. They lie about the percentage they hatch, which makes the crime still worse, and only tends to stimulate the beginner to the tune of an incubator and a few dollars worth of eggs from some breeder, and then he quits and becomes a knocker. Why can't the beginner be told by the editors and writers and breeders everywhere that this poultry business is just a common business like any other, and that any man with a will and good common sense can run it successfully, and not have him believing there is some hidden science about it that can't be mastered by any except those with pockets full of money and more brains packed

back than an ordinary man can ever hope to have? Why can't he be told that he can raise just as fancy birds without a breeding chart forty feet square and a stack of record cards five feet high? Why can't he be told that he does not need an incubator and brooder and a thousand other things that cost lots of money when he is only breeding fancy birds and needs only a few hundred each year? Why can't the editors of poultry papers all tell him the truth about whether they think an ad. in their paper will pay him, instead of being sure it can pay anybody anywhere? I have had a few honest editors tell me in times past that they didn't believe an ad. in their paper would pay me and I felt very thankful to them for it; but some will grab your money if they know it will be worthless to you. They will take your money and promise to make it pay you even if they have less than a hundred subscribers in the territory from which you expect to get your trade.

Of course breeders learn better after they have spent lots of money, but why can't all editors tell the beginner, like some of them do, that to get the business he must advertise in the papers that reach the people to whom he can reasonably expect to sell? If a breeder's eggs are worth \$5.00 per setting, why will some editors promise to make his ad. pay when they know they haven't a subscriber that would pay \$2.00 for a setting of eggs? That they do it can't be denied. All this is wrong and could be remedied to the betterment of all concerned.

What I consider the greatest drawback to the business is dishonest breeders, and these should be run down and exposed by all editors and breeders alike. Breeders who do not give their customers full value for their money, or in any way deceive and defraud them, hurt the business worse than all other things combined. It is true many buyers are unreasonable in their demands. They expect too good a bird for their money, and when they pay \$5.00 for a setting of eggs they are not satisfied if they do not get \$10.00 worth of chicks hatched from them. I have seen many like this; but on the other hand many have a right to complain of the treatment they get at the hands of the breeders. I have seen breeders who paid no attention to a complaint from a customer when in many cases it could have been made satisfactory by a single letter. Better lose money in the deal when the buyer is in the wrong than have him always think all breeders are scoundrels. Some breeders are dishonest in one way and some in another, and some are dishonest in all things; but the one who does the most harm and the one I detest most is the one that won't pay his debts. He beats everybody, all the way from the dealer who feeds his birds to be publisher who sells them for him, and unless they are checked in some way no one can tell what the outcome will be. I know of papers now that have been compelled to make a rule requiring cash in advance for all poultry ads. because they find so many deadbeats. They contract for the space and then if sales do not come just as they think they should they protest against paying the bill, and if they do sell the goods they won't pay them any way. It is nothing short of stealing to contract for space, use it, and then not pay for it. The editor's bills must be paid, yet some advertisers act as if they were under no obligations to pay theirs. Of course a breeder with ordinary common sense knows he can't hold up many years at this game, but this only makes him more careless about treating his customers square and adds to the trouble.

I believe editors owe it to themselves and more so to their readers and honest advertisers to not only weed out these rogues from their own columns, but also to warn others of them. A little effort on the part of poultry editors would rid the country of these pests as they would be placed where they could not advertise, and it would remove what I consider the greatest drawback to the poultry industry of America.

Last fall while attending a State fair poultry show an editor of one of our best poultry papers told me that a certain breeder got him for \$75.00 worth of space and would not pay him a cent, yet this editor has never made an effort so far as I know, to warn his readers or other editors of such a breeder. They let them go on beating others in the same way, getting new customers and swindling them till they have gone the rounds of all the poultry and farm papers and get to where nobody will take their ads., as this very breeder has done. How many dollars and how much trouble that editor might have saved by notifying others will never be known.



A SOUTHERN BREEDER IN THE EAST

WRITTEN FOR THE INDUSTRIOUS HEN BY THOS. E. McLEAN



[Writing from Hansen, Idaho, under date of July 24th, Mr. Thos. E. McLean, the Red Breeder of Knoxville, has some interesting things to say concerning his recent trip to Boston and the East. In a personal note to the editor, Mr. McLean says, with reference to his stay in Idaho: "Am helping cut, stack and bale the alfalfa from 110 acres. Just finished putting up first crop. Will cut the 110 acres again in three weeks."]

In response to much inquiry as to our observations along the line of fancy poultry on a recent trip to Boston, we would say that we deem it prudent to state in the outset that we were selfish enough to look for "Red" only, and will say that our observations as to other breeds would indeed make dry reading matter, though we desire to state in this connection that we admire a poultryman all the more for a tenacious adherence in admiration and praise of "his own" breed, be that what it may.

In the Eastern or New England States, the Rhode Island Reds have been pretty extensively bred for the past fifteen or twenty years, though the primitive, genuine Red

pressed with the idea that he had about the goods. But as we returned home, having become fired up with a new supply of "Red" enthusiasm, we came via Albany, N. Y., and ran down to Amsterdam to see the plant of another "Red" specialist—a young, ambitious and energetic breeder, known as E. T. DeGraff—about whom and by whom there has been so much said in modern poultry fancy. Let us state in this connection that we are indeed under no obligations to Mr. DeGraff except for what we deem fair dealing in the past. In fact, while at his place we picked from the nests of his best pens a setting of eggs and paid him as everybody else does who purchases his goods, a good price therefor. Our reason for doing so, however, might be better explained by stating that after seeing other plants and comparing product, we just couldn't withstand the temptation, and if we had had money enough with us to buy some of his best stuff, don't know where we might have stopped. For uniformity of color and ideal shape we must see somebody else's goods to be convinced that DeGraff's are beaten. The DeGraff plant is an ideal range place, with



Lady Alice,
a Winner from the
yards of
C. T. FALLIN,
Buff Rock Specialist,
Greenville, S. C.



dates back for thirty or thirty-five years. What makes the Reds so popular in that section is the fact that the farmer and country folk generally are taking to them as a combination fowl.

And since such National breeders of Reds as Thompkins and DeGraff have discarded the incubator entirely and are hatching exclusively by hens, on account of advantageous thrift and growth of chicks, the Red hen enters a new field of usefulness as a brooder and mother, while they further explain her virtue as a winter layer by calling attention of thoughtful breeders to the downy, close fitting feather which serves her as the woolen underfleece, protecting against cold and dampness. These were some of the features referred to by Eastern farmers who talked interestingly as to the possibilities or rather the realities of profit and pay in poultry and eggs. We were especially impressed and interested in a visit to the poultry plant of Mr. Lester Thompkins, of Concord, Mass., some eighteen miles from Boston. Mr. Thompkins is a very clever gentleman and took much interest in showing us around, where we saw many fine specimens of Reds, many of which we read about in his show records. He is very proud of his birds, records, etc., and talks freely and interestingly about all, and we left him, ourselves im-

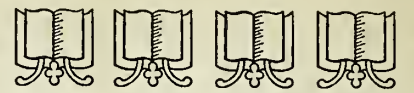
an abundance of pure spring water piped into yards and even into automatic water fountains in the various pens, insuring fresh, cool water at all times. Food is prepared and fed in a strictly sanitary manner; no offensive odor in the houses. All is overhung by nice maple or other commodious shade trees. The south hillside of 30-acres is (175 acres in the farm) covered with blue-grass, luxurious bunches of which bedecked the whole place and amongst which the Red hen comparatively represented the American Beauty rose in an exquisite Sabbath Day bouquet of flowers. We have read DeGraff's literature from time to time ever since we fell in love with the Reds—in fact bought our first eggs of him—and have often thought he was the noisiest and most arrogant writer of poultry advertisements in the whole country; but, good people, if ever, you see his plant you will agree with us that not only is his stock raised under the best advantages of modern poultry keeping, but that he has about the most uniformly correct and individually strong class of Reds to be found anywhere.

We contemplated visiting Bennett and others of the North, but having to return via Washington, D. C., on business, were forced to forego the much coveted further pleasures.



THE GRAY WILD GOOSE

WRITTEN FOR THE INDUSTRIOUS HEN BY J. C. CLIPP



THE WRITER has been asked frequently regarding the special characteristics and popularity of the "Gray Wild Goose," indicating that this variety of geese is becoming more and more popular with the American people. The Gray Wild Geese are becoming to be among the best known varieties of the goose family. They are very generally bred now throughout the United States. It's no uncommon thing to find a large exhibit of these geese in most any National show, and very frequently in local shows.

They are very valuable for market purposes, as well as a great laying variety.

I doubt if there is a goose raised that is more palatable for table purposes than the Gray Wild Goose. They are very hardy and easy to raise, and mature very quickly, enabling the growers to place them on the market extremely early, while prices are at the very best. Being an original variety, they are not subject to any fatal diseases worth mentioning. They are very attractive in appearance, possessing a rather small head, and bill running somewhat sharp at the point. A most peculiar feature of these geese is that they have a very long, slender neck, resembling that of a snake more than anything else we can think of. The back is very long and narrow, arched from base of neck to tail; breast, deep; body long, and very slender. This variety of geese has the most powerful wings of any variety in existence.

Their color is very attractive. Head is black, with a clear, white stripe, covering almost the entire sides of the face; bill, black; neck, black, shading to a light gray at base; back is a very dark gray. The breast is a light gray, but becomes darker as it approaches the legs. The plumage on under parts of body displays a sparkling contrast to other sections of the body by presenting almost a positive white plumage from legs to tail, while the wings are dark gray and primaries dusky black, showing only a dark gray color, when the wing is folded; secondaries are brown, but a lighter shade than the primaries. Tail feathers are glossy black, thighs gray; shanks, toes and webs of feet very dark or black; eyes sparkling black.

The breeder that has an eye for beauty certainly will become interested in this variety of geese. The reason these geese are valued so highly by their admirers is that they are very profitable as egg producers, as well as for table purposes. They are not so large as some of our other standard varieties, but possibly they are their equal in value by being great egg producers.

The standard weight of the adult gander is twelve pounds; goose, ten pounds; young gander, 10 pounds; young goose, 8 pounds. The Gray Wild Goose will be found a most valuable variety to which to pin your faith for either market or fancy purposes. They can be raised in large numbers successfully, being almost entirely different from all other geese in this respect.

While geese do best, of course, on unlimited range, yet the Wild Goose will thrive and do well on limited range, provided they are supplied with a good pond or running stream. A large pond is best for them, as it is their nature to spend their time in still, quiet water. It appears that they do better where they have free access to large bodies of water. Being originally wild, we must cater to their wild habits somewhat, although I have known them to be raised successfully with a limited water supply. But where a large number is grown they will require more water than domestic varieties. If you have a large pond which you can fence off, with a small grass plot, you have an ideal spot for the growing of wild geese. I would not prefer to raise the young near this water, for the reason the turtles and other enemies of the goslings would soon devour them.

This variety comes the nearest living without the least bit of artificial food of any fowl known, although it would not be wise to try to get them through without some attention and feed. Any fowl grown under domestication will require some attention and feed from your hand, otherwise the venture will prove to be an unprofitable one.

You can use the most simple houses for the wild goose; in fact they will not require any shelter except during very severe weather. Where the Wild Goose has proper attention,

with suitable quarters, they live to be quite old. I remember visiting a farm home a few years ago where I noticed Wild Geese were grown. On inquiring of the oldest son in this home as to the age of the geese I noticed in the barn loft, he replied that he was 17 years old and they had the same old goose there that was on the place before he was born. It is said by good authority that the Wild Goose has been known to live to the ripe old age of 23. How true this is I cannot say, but there is no question but that they live to be quite old, retaining their usefulness for a number of years. In fact they retain their laying and hatching qualities through life. But the ganders are not to be depended upon for breeding purposes after they pass three years of age. Perhaps there is no goose in existence that is more profitable for eggs and table purposes than the Gray Wild Goose. Of course, the White varieties are most desirable for feathers. Any of the standard varieties of geese, except the Egyptians are profitable for farmers to grow.

Those that wish to grow the Wild Goose will find them profitable, easy to handle, good layers, and quick maturers—hence, a profitable fowl for farmers or fanciers, as their colors are very attractive.

If there were more common sense and less doctoring applied to ailing hens, there would be less spread of contagion. When hens are kept busy they are as a rule kept healthy. Nip a cold in the bud, and there will be no need for roup cures. Keep the premises in a strictly sanitary condition, and you need not worry about cholera. Nearly all of the diseases that affect poultry are the effects of unsanitary surroundings, due to carelessness. In general, the treatment of the common diseases of fowls is not so satisfactory as preventive measures. Nowhere more than in the poultry business does that old adage apply: "An ounce of prevention is worth a pound of cure."

France classes the worth of a hen more for the production of meat and eggs than she does for fine feathers or Standard looks. Some years ago the poultrymen aimed for show records, and while they no doubt gained their point, they at the same time ruined the stamina and thrift of the hen for commercial purposes. Today it is different. Utility has taken a front seat, and all breeds are bred up to conform with the ideas of the market poultryman.

The best way to clean drinking fountains, which cannot be reached on the inside, is to use scalding hot water and a handful of shot. Fill the fountain about a quarter full of hot water, and then pour in the shot. Shake the vessel briskly so that the shot will scrape along the bottom and sides of the fountain. This will remove the scum and leave the fountains sweet and clean.

In giving medicine to a fowl, commonly speaking, what would be considered a dose for a child is about right for a fowl. A two weeks old chicken will need as much medicine in a day as a six months old child. At six weeks it would require the same size dose as would be given a year-old child; a half grown fowl as much as a two-year old child, and an adult bird as much as a four-year-old child.

It is claimed for the White Holland turkey that it is the hardiest variety known, the most quiet in disposition, among the heaviest layers, quality of flesh surpassing all other breeds, early maturity, maturing the first season.

No successful poultry plant was ever established with mongrel stock. Dunghill fowls, like incompetent labor, are not worth having around. Thoroughbred fowls, like skilled labor, are sure to create a profit on the farm.

**Tennessee State Fair Poultry Show, Nashville,
Sept. 20-25. Jno. A. Murkin, Supt.**

THE GUINEA FOWL

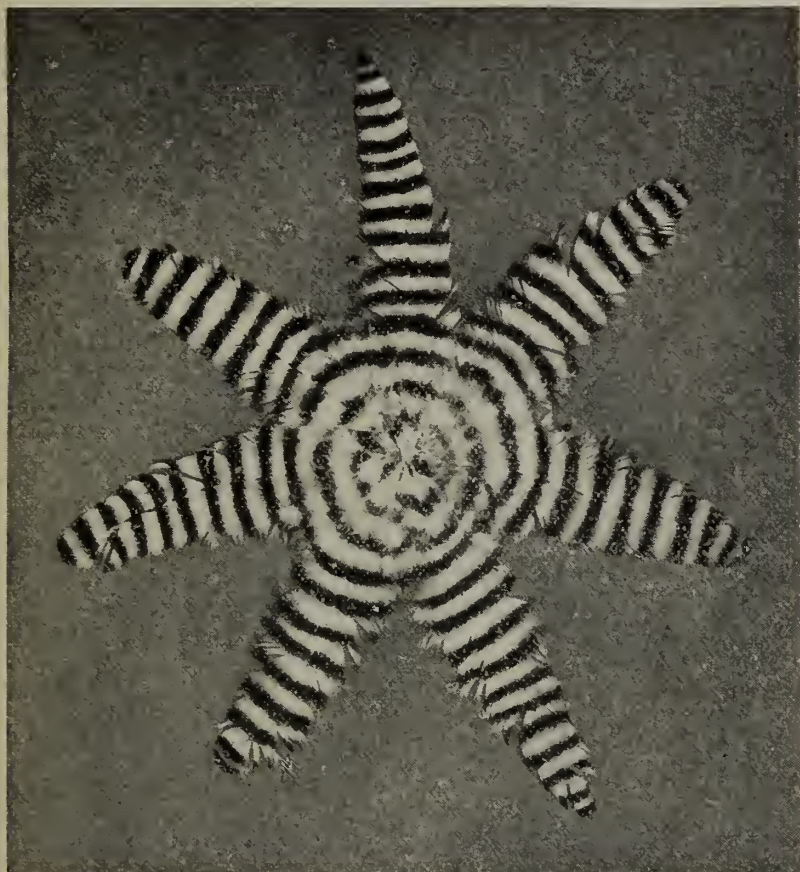
Written for The Industrious Hen:

The Guinea hen is a good layer, but, on account of the wild, gamey flavor, the eggs have never had an extensive sale for table use. However, to turn these eggs into young broilers or roasters, a considerable profit will be derived. The flesh is the nearest substitute we have for the wild game.

The Guinea is of a roving disposition, and one of the best known destroyers of insects.

The laying season starts in early April and continues until October, the hen laying as many as 120 eggs in a season. In the early part of the season it is not advisable to let the Guinea hen hatch a brood, as she is of too restless a nature, and will not give her young the proper attention. But after the first of July, on account of the warm weather, she will be more quiet, and she can be safely entrusted with a brood.

It requires four weeks to hatch out Guineas. The hen always hides her nest, and that too in some very obscure place. As they come off the nest they give a shrill cry, and



Feathers from the "Trubar" Cockerel, "Sensation," showing the "Trubarring," so characteristic of the strain of Barred Rocks, Bred by J. E. HAGE, BOX 833, Asheville, N. C.

in this way their hiding place can be detected. All the hens of a flock are apt to lay in the one nest, and in taking away these eggs they should not be touched with the hands, for if the hens discover that the nest has been touched she will desert it and hunt another place. But if the eggs are removed with a stick she will not leave the nest, even if the eggs are taken out nearly every day.

It is claimed that a cross of the Pearl and White Guineas will produce a carcass closely resembling that of the English Grouse. If rightly cooked, the meat of even an old bird will be tender and delicious, while that of the young bird is unsurpassed as a broiler or frier. The dressed Guinea has a round, plump body, good sized breast, and small bones.

Guineas will pair if the sexes are equal. They generally lay between the hours of 10 o'clock in the morning and 2 o'clock in the afternoon. Until well feathered, young Guineas are delicate and tender. It is not advisable to hatch before June. The Guinea cock bird cares as much for the young as does the hen, guarding them during the day and hovering them at night.

The male bird is larger than the female, is more aggressive, and has a different call. The hen makes a noise sounding like: "Come back, come back!" while the male gives "Tick, tick!" The cry of the Guinea is one of warning to the rest of the poultry, and they at once hide until the alarm ceases.

Guineas do not scratch like other fowls, and therefore are safe to have in a garden. They should be given their freedom, as they do not thrive in confinement.—MICHAEL K. BOYER, Hammonton, N. J.

DISAGREES WITH MR. MARSH

Written for The Industrious Hen:

I have just returned from a trip to Cooper's Well, Miss. I have had a hard year of work, good trade both in sales of eggs and birds, and I thought a few days at some health resort would be time well spent.

I feel much improved and am now ready to cope with the best in filling orders for fancy birds during the fall season. I think I have the best Barred Rocks this season I ever had. This means a good deal, as I have always carried off the big end of prizes at all the shows I ever attended.

I have just finished reading your July issue and among many pieces I came across of interest, I noticed one headed, "Dishonest Poultrymen."

Mr. L. C. Marsh asks what other readers think of his explanation of the dishonest breeder. Now as for me, I do not think Mr. Marsh should form an opinion without giving the party from whom he bought the eggs a chance to explain. Sometimes very mysterious things happen with a poultryman—things beyond his control; and without his consent—and as I understand Mr. Marsh he brands this breeder as being dishonest and intentionally so. I would like to look a man in the face who would stoop so low as to sell his honor, character and reputation, and his soul in the life that is to come, for ten common hen eggs; I am satisfied he would be a comical looking fellow.

Now as Mr. Marsh has branded this breeder as a thief, and that is really what he is if he did what Mr. Marsh accused him of, I will tell Mr. Marsh what happened to the writer last year, and let him brand the writer as a most consummate liar. I think he has as much right to do so as he has to say the other breeder is a thief. Last year the writer trapped a hen in one of his yards. This hen was a very fine one, and was mated to a very fine male. There were seven other hens in the same yard, but I wanted the eggs from this special hen, so I set my trap nests and caught this hen. I got fifteen eggs from her; marked every egg as they were layed. There was no possible chance for any other male to get in this yard as my yards are isolated from my neighbors and are well fenced, and if it had been possible for another male to get in the yard, he never would have gotten out alive, or would have left some sign; and besides I have no neighbor near enough to me for such a thing to happen. I set these fifteen eggs under a good hen that had been tried, and she hatched me fifteen chicks; they were all toe-marked when taken from the nest, the hen being set in my setting house used for setting hens, and the hen never was out of this house from the time I set her until she came off with the chicks. Fourteen of these were extra fine Barred Plymouth Rocks, and one of them was as black as a crow. I kept it until half grown and killed it. Now I ask Mr. Marsh, if he disbelieves this chicken tale, to write any man or woman in my town, Marion, Alabama, for my reputation for truth. I am now twenty miles from my birthplace, in the same county in which I now live. So in conclusion, will say to Mr. Marsh, be more charitable, brother; do not brand a man as a thief until you know he is one, and then brand him good and hard.—C. H. DOZIER, Marion, Ala.

DIRT FLOORS

Do your brooder chicks die? Many, we are sure, do die all over the country. Is it because they lack natural surroundings? Very likely, and a big poultryman in Kansas City claims to have a remedy.

In nature, little chicks feed on the ground and live on the ground. So the Kansas City man covered the floor of his brooder with black sod. The chicks took to it at once. They liked it. They could scratch in it. It was natural. Before that he had lost 40 per cent of his brooder chicks; since that he has lost only 5 per cent.—T.C.K.

In shipping to market, send only gilt-edge dressed poultry, guaranteeing freshness. Have a tag on every carcass. Never send a scaly-legged bird to market. Quality rather than weight fixes the price of dressed poultry. Clean legs, free from feathers, and small combs, are points to be looked after in marketing broilers.

THE AMERICAN POULTRY ASSOCIATION

Mansfield, O., August 16, 1909.

THE INDUSTRIOUS HEN,
Knoxville, Tenn.

Gentlemen:

No doubt you would like to have some information in reference to the late meeting of the American Poultry Association at Niagara Falls. This was the most important meeting the Association has held in many years. The attendance was large, about two hundred and fifty members being present.

The most important work was that concerning the revision of the Standard. As the result half-tone illustrations will be used in the new Standard. Illustrations will be submitted by the artists at the next annual convention in 1910, and, if approved by the members, work on the new Standard will begin at once.

At this meeting, charges were preferred against E. T. DeGraff, of New York, by Mr. Tracy, of New York. After due consideration, Mr. DeGraff was expelled, and Mr. Tracy suspended. Charges were also preferred against ex-Secretary Ross C. H. Hallock, and he, too, was expelled.

We believe the work accomplished at this convention will result in great good to the Association in general.

Very truly yours.

S. T. CAMPBELL,
Secretary.

"How many hens should be placed in a pen with a male bird for good fertility?" That question is asked time and again by beginners, and it might be interesting to note the differences of opinion. Holmes says the best results can be obtained both in fertile eggs and vigor of chicks, by having two males for each pen, and using them alternate days. If one has but a few hens, say a half dozen or less, better allow the male with them but a half day at a time. Professor Wheeler says some of the best results in fertile eggs and good hatching that he has ever had, were ten hens mated with a year-old male. The hens were in three pens, four in one, and three in each of the others. The male was in each pen one day in three. Stevenson says he always had the best results for fertile eggs when he kept about 30 to 40 hens in one pen, and kept two vigorous cockerels, allowing only one of them with the hens at a time, keeping one in a coop arranged for the purpose, and changing them every day. Mount prefers using enough hens for one cock in each pen. With the small, active breeds, such as Leghorn, Minorcas, etc., twenty hens to one cock are about the number, and with the larger breeds, such as Wyandottes, Plymouth Rocks, etc., fifteen hens to one cock. With Brahmas and all very large breeds, ten hens are enough for one male. Speaking of fertility, Fred Grundy says small, penned-up flocks, comprising six to twelve females and one male, will give 60 to 80 per cent of fertile eggs, and strong chicks, for 15 to 25 days at the beginning of the season. After that the per cent of fertility decreases rapidly, and the chicks are invariably weak, and never make good, vigorous breeding fowls. It pays well to have two male birds for each pen and alternate them. It is a practice the writer has used in his yards for years with marked success.

According to the New York Agricultural Experiment Station, the cost of food, per chick, to weigh one pound, on ground grain, is three cents; on whole grain, three and seven-tenths cents. After making repeated tests in feeding, this Station says the ground grain ration proved considerably more profitable than the whole grain ration with the growing chicks; and the same was true of capons of equal weight from these chicks, and from others of equal weight and age, fed alike before caponizing. No difference was noticed in health or vigor of chicks or capons fed either ration.

The market term "green duck" is of late innovation. The cognomen is applied for the reason that the bird has not yet matured. It would weigh not less than four pounds, and be not over ten weeks old—eight weeks would be better—and should never be allowed bathing water. As an article of diet, if provided by a competent chef, green duck resembles the famous and fast disappearing canvasback duck.



Single Comb Brown Leghorn, 2nd Hen at Tenn. State Fair, Sept. 1908.
Bred, Owned and Exhibited by Dr. H. T. Boyd, Sweetwater, Tenn.

The following recipe for carbolated kerosene emulsion, it is said, is not only a vermin killer, but also imparts an odor to the hen house that is effective in the cure of cases of bad cold and discharges of mucous substance from the nostrils: Half pound ordinary laundry soap, one gallon water, one quart kerosene oil, four ounces crude carbolic acid. Cut the soap in small pieces, and drop into the water and boil. When it comes to a boil remove from the fire and add the kerosene. Shake or stir the mixture until nearly cool. Put away in a well covered vessel until wanted, at which time add about 12 to 14 quarts of hot water and the carbolic acid, and mix well. Use as a spray once a week.

While it must be admitted that no incubator is able to do as good work as a hen, yet in hatching large quantities of eggs it would be too expensive to rely solely on hens. A machine is ready when broody hens are very scarce, and if run properly, the machine will give almost as good a percentage of strong chicks as will hens. But much depends upon the work of the man in charge. Hens cannot always be relied upon. At times they give up the notion in the midst of the hatch; some hens impart too much heat, and some not enough. Some hens are restless and break eggs, and many more things are apt to go wrong at a critical time. Both hens and incubators need watching.

Some years ago, A. J. Hallock, of Long Island, one of the most extensive market duck growers in the country, kept a record of the growth in weight of ducklings from shell to market. He found the following average weights: Half out of the shell, 2 3-4 ounces; all out of the shell, 2 1-4 ounces; one week old, 3 ounces; two weeks old, 5 1-2 ounces; three weeks old, 7 1-2 ounces; four weeks old, 1 pound, 3 ounces; five weeks old, 2 pounds, 6 ounces; six weeks old, 3 pounds, 12 ounces; seven weeks old, 4 pounds, 12 ounces; eight weeks old, 6 pounds, 2 ounces; nine weeks old, 7 pounds, 4 ounces; ten weeks old, 8 pounds; eleven weeks old, 9 pounds, 3 ounces.

The Indian Runner duck is not inclined to fatten so readily as other varieties. Its name originated from the fact that this duck has a running rather than a waddling motion. In color it is a light brown or fawn shade and gray. At the joining of the head and bill there is a narrow band of white. The legs are orange. In carriage it is erect, with a long, narrow body, well elevated in front, and closely feathered. The neck is long and slender, and the head rather flat. The bill is long and broad.

POULTRY ON THE FARM



WRITTEN FOR THE INDUSTRIOUS HEN
BY AN OLD FARMER

POULTRY PICKINGS

If you want a fowl that is practically free of disease, raise ducks. They rarely have any ailment, and especially after the first two or three weeks.

To know when to sell and when to buy serves a good purpose in the poultry business as well as elsewhere. To have a good knack at trade is a fortune to some men.

Feed is high, but so are eggs, and so is a good fat hen. Remember that profits always increase proportionately as prices go up. You don't make your money when prices are down.

Just as in other stock, there is most money in chickens that fatten quickly when you want to prepare them for market. They take less feed in the end.

If you have a good incubator, fill it up while eggs are cheap and raise broilers for Christmas. In the great cities broilers are now in demand the year around.

Do you know what is the most valuable manure on the farm? It is the droppings of your hens. This should be counted in the profits always.

WHAT GRANDMA SAYS

To get eggs you must feed your hens, and clean oats are a better diet than common sawdust.

That hen is all right who has a plump red comb and who goes singing around the yard in early morning hours. There is certain to be a big egg in her nest before night.

Don't baby your hens by keeping their houses too close and warm. We are told that a world-record hen some years ago roosted on top of a coal-house.

During the molting season give your hens rich food and plenty of green truck. It takes protein, as these scientific chaps say, to make a new coat of feathers.

When you want to fatten your hen, put her in a coop and pour in the feed. To have her gallivanting over the farm to get her meals will take fat off instead of putting it on.

It pays to raise only pure-bred poultry, but don't invest too much in prize-takers till you feel sure you are in the business to stay.

CHICKLETS

The chicklets have by this time grown to be big boys and girls and many have gone off to market. It is time to be getting out all your culls and round up your breeding stock.

About now you begin to think of a fall hatch, provided the weather is not too hot. If you have suitable weather during the fall and winter months a limited number of chicks will pay.

A few chicks may be hatched late in the fall for home use, but cold, rainy weather in November and December makes them too uncertain for a market proposition.

During this month steps should be taken to provide green feed for winter. Too many neglect this. It is true that you may already have plenty of bluegrass, but other crops are necessary.

Lettuce makes a good fall feed, but should have been sown before this. It makes a good tonic for fowls that are moulting. It is best sown in carefully prepared beds.

A turnip patch will afford good picking during the late fall and winter. The tops and the roots are both good. The latter should be cut in halves and thrown on grass sod in the yards.

Rye makes a better green feed for winter than either oats or wheat. It is better sown in August, but will do by the middle of September or later. There is no better green feeding for winter than rye.

FARM NOTES

Milk-fed chickens has become a popular dish in first-class hotels, restaurants and dining cars. They are fattened by large packing concerns, who increase their weight seventy per cent in fourteen days.

The goose may be made the most profitable thing raised on the farm. They live nearly altogether on grass, a little corn being thrown to them now and then. They are practically self-supporting and bring a good price, especially among Hebrew customers.

Cut down all high grass and weeds where the poultry use. They sometimes conceal a dead carcass which will produce limber-neck in the fowls that eat it.

Some farmers seem to think lice can do no harm on a hen. Suppose you try them on yourself and see how much sleep you can get all night. How long till your nervous system would be shattered and your capacity for work reduced to zero?

Keep the poultry houses and premises strictly clean during the last fall months. Look out for mites on perches and lice on the fowls. Prepare the moulting hen for winter work.

THE MAN AND THE HEN

Success in poultry depends as much upon the man as the hen if not more. The best hens in the world will be a failure in the hands of an inefficient manager.

The man who hasn't energy enough to keep his poultry houses clean and mites off roosting poles had better let the chicken business severely alone.

The expert poultryman feeds his hens according to her power to assimilate food and turn it into eggs. Food is a matter of individual application.

Don't consider it lost time to pet your hens. Petting may spoil a child, but it only keeps a hen's nervous system right for producing eggs.

By studying cases of success with poultry we always find that there is a man behind the hen. Breed is something, but it is not all.

The farmer who hasn't time to care for his hens is in a poor way to make a success out of poultry even as a side line.

World records are not anything for the average farmer to monkey with. Fifty hens with an average of 150 eggs are usually better than the one that lays 200 eggs a year.

WISE WORDS BY UNCLE BEN

Are you hunting an easy job? Then don't go into the chicken business. Nothing requires more zealous attention and careful study.

Don't build stone or brick houses for poultry. They do not respond quickly to changes in temperature and become damp, cold, and unhealthful.

To destroy mites use kerosene emulsion. To kill lice provide a dust bath, containing one bushel of dust, two gallons of lime and one-half gallon of sulphur.

The average farmer will do but little with a trap nest and I don't know that he need to try. That is generally better left to experts.

If you want to keep gapes and other diseases down, plow or dig the chicken yard up every two or three weeks and thus disinfect the premises.

Many farmers find Indian Runner ducks quite satisfactory. They are small eaters but great layers, some beginning at four and a half months. They can have free range and will pick up most of their living. They come home at night, and the young make fine broilers.

Duck eggs are in demand by confectioners, as they impart a glaze to their icing, which cannot be had with hen eggs. For making plum puddings, duck eggs are more economical than those of other fowls, being both larger in size and richer. In the household of the writer, duck eggs are used in making all kinds of cakes, omelette, and cooking generally, and they are also relished fried.

The critical period in the young turkey is generally at an end when six weeks of age. Inbreeding, lice, dampness and improper food are the main causes for great mortality.

TURKEY TALK

Address all Inquiries to
MRS. J. C. SHOFNER, MULBERRY, TENN.

Early Fall Feeding

If you expect best results from your flock of poults, you should give them special attention during the approach of the early fall feeding. Quite a number of promising turkeys are lost each season at this time of year, simply because they were improperly managed at this point of their lives. Just as soon as the weather begins to turn cold and insect life becomes scarce, I increase the grain ration, but great care must be exercised in not feeding too much. Too much grain fed to poults that have been accustomed to feeding on the tender insect life soon ruins their digestive organs, resulting in liver trouble and death. A ration of wheat and corn is the best grain ration to start turkeys for the finishing market touch. Oats are exceptionally fine for turkeys after you get them well on to grain rations. Oats for their first feeding I consider rather too coarse for turkeys. It is apt to produce crop-bound and indigestion. But for the poults that are to be held over for breeding purposes, oats have no equal; yet the same precaution in starting them with oats should be used as with the market turkeys. The turkeys you expect to finish for the early markets should be started on corn and wheat, feeding in limited amounts at first and gradually increasing the supply until they are fed all they will eat.

For several years past we have had best results in feeding our market turkeys for the early market by allowing them their freedom, and feeding all they will eat of good, wholesome foods. Our turkeys we feed for market are carefully run into the fattening yard and fed separately from the breeding turkeys. If the breeding turkeys are fed a fattening ration along with the market turkeys you will quickly put an end to the young crop another year. Fat breeding turkeys are certain death to fertile eggs; hence, I prefer to feed the market turkeys in an inclosure to themselves, and the breeding turkeys on a less fattening ration. In this way we escape the danger of destroying the coming turkey crop. While some feeders prefer confining the turkeys during the last week of feeding for the market, I prefer to still allow them their freedom until they are crated for market. When they are fed each day in the same yard at regular hours they are easily handled and will be no trouble to separate from the breeding turkeys. You will soon find that by regularly feeding all they will eat of wholesome grains will soon deprive them of their energy to wander very extensively in search of food, and on the other hand, their energy will be directed in a more profitable channel of growing and developing into plump, fat turkeys for the market.

If you neglect feeding your turkeys during the early fall, you will find they will lose considerable flesh that has been gained during the late summer months. As soon as insect life is no longer attainable, turkeys soon become nervous, as it were, and wander several miles in search of food. It is very

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BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.

important that we give special attention to the turkeys early in the fall and not allow them to shrink; but rather, keep them growing and developing into prime specimens for the market.

The breeding turkeys should be separated and fed entirely different from the market turkeys. While the breeding turkeys should be fed in a manner to prevent excessive fat, yet they should be fed so that they will be healthy and quite full of good living flesh. Remember if a turkey retains excessive fat for any length of time, it produces disease of one kind or another. It is likewise true of fowls that are kept thin and in a poor condition. Breeding turkeys must be kept plump and yet not overfat. Remember, too, that the yolk of their eggs, in a normal condition, is one-third fat, one-sixth protein, while the remainder is water; hence the breeding turkeys must be fed and cared for throughout the winter months in order that the hens may produce eggs in a normal condition.

The main object in feeding stock turkeys out of laying season is to feed them a sufficient amount only to keep them in the very best physical condition, in order to have them in prime condition as soon as the breeding season opens up. It will be your worth while to give the turkeys the very best of attention from now until the breeding season opens up; and if you are growing turkeys for the market you will find that early feeding will pay you handsomely; while, at the same time, if you are growing fancy turkeys for exhibition or breeding purposes, it will be all the more necessary for you to begin feeding just as soon as the insect life has been exhausted; they will develop into much finer specimens, with great bone and frame. Turkeys are scarce this season, consequently high prices will prevail.—J. C. CLIPP.

Pullets for Egg Farmers

In July we spoke of the new business of supplying pullets to egg farmers, whereupon a subscriber at Salisbury, Md., writes THE HEN with a view to contracting for business in this line. This shows at once the practicability of the undertaking. All that is necessary is to get the two parties together. The best way to do this is through conspicuous advertisements by both parties in poultry papers. Nothing is simpler. There are men who run egg farms for the great cities. There are others who would like to furnish them their stock of laying pullets. Each can reach the other by making his wants known in THE INDUSTRIOUS HEN and other papers of like character.—T.C.K.

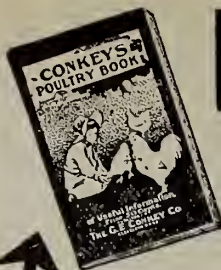
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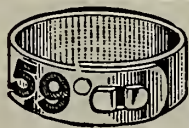
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High Class mated, pure straight Homers, colored and clear white. Extra large, fine birds. Red Carneaux, equal of any and better than many. All mated, banded, working and under 2 yrs old. Large or small quantities.

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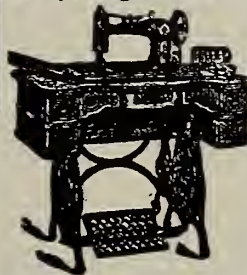
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Have bred them nine years. Our show record is a GOOD ONE.

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Golden Wyandottes (EXCLUSIVELY)

Don't forget Mapleton Poultry Yards if in need of a good bird. State your wants and I will tell you what I have.

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We have nearly one thousand well matured, early hatched pullets and cockerels that we are now offering at very low prices. Pullets from \$1.00 up and cockerels at \$2.00, \$3.50 and \$5.00. Also have a nice bunch of strictly exhibition stock to spare at moderate prices for early fall shows. Birds that will win anywhere. 35 regular and special prizes at last two State shows gives some idea of the quality of our stock. Ask for free circular.

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WINTER PARK, FLA.

Southern Bee Culture and HEN one year 75c.
Gleanings in Bee Culture and THE HEN
one year \$1.00

Bee Notes

Written for the Industrious Hen.

I intend to take my supers off before the last flow and let the bees have all they can get. Anyway golden rod and other late bloomers do not make the best of honey.

A weak colony may be strengthened for winter by giving it full frames of honey from another hive, but this may not always be best, for thus the other colony may be weakened.

There is no fixed price for bees in old box hives. Some owners may want four dollars for them and others one dollar. In my vicinity they generally sell for about two dollars.

There was much honey-dew this year, frequently the bees stored a lot of it and gave much of our comb honey a dark color. Honey-dew does not usually make the best of honey but so far I have found mine all right.

You may put on a drone trap and help kill off the males for winter, but the worker bees will save you the trouble if you leave all that business to them.

I use small extracting frames to make chunk honey but find from experience that a queen excluder must be used under them to prevent the queen turning the super into a sort of annex brood-chamber.

The Last Flow

Soon we shall have our last honey flow of the year. With many it may now be on. It comes from the asters, or stickweeds, the golden rod and bone-set. How the little bees work as they see their last chance receding, especially if they have been robbed of the early stores and begin to feel anxious about the winter supply.

There is something sad about the way we treat these little children of nature. After they have worked hard all year, we take away their delicious stores and put them off with a gallon or two of melted sugar to carry through the biting winter. It seems hard, but man, superior being, has that way of doing things. Wouldn't it seem more generous to take off all supers before the last flow and let our little tenants pack their brood chambers to the bursting point with the pure nectar of the last honey harvest?

Foul Brood

How many of our readers have found foul brood in their hives? There are two kinds of foul brood—the American and the European. In both cases young bees are found dead in their cells, but the American manifests more ropiness when a toothpick is inserted into the dead larva.

Various methods of treating foul brood have been suggested. One of the most effective plans of treating the American disease is to remove the hive

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Smith Sealed. Used by America's leading fanciers. Prices: 12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50; postpaid.
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S. C. BROWN LEGHORNS

The 1st prize Cock that was advertised "For Sale" is sold at a good price. If you want a rushing trade, advertise in THE INDUSTRIOUS HEN.
I have a nice lot of young stock that will be ready to ship October 1st, and some yearling stock. Circular free.

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POWELL'S STATION, TENNESSEE

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Cholera, Roup, Limber Neck, and Gapes quickly cured, also prevented with Snoddy's Poultry Powder. Death to Hawks. Only remedy known that can be relied upon in perfect safety. \$3.00 case for \$2.50. Write for full particulars with prices. Agents wanted. DR. D. C. SNODDY COMPANY, Box H, NASHVILLE, TENN.

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Large, beautiful Rose and Single Comb R. I. Reds and Buff Orpingtons for sale. These are the very best egg producing and prize winning strains in existence. Early hatched cockerels at \$1.50 each until September 1st.
Geo. W. Sweeting, Locust Mt. Ptry. Farm
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are bred from the four leading strains of the United States, and are large, healthy and vigorous. 4 GRAND BREEDING PENS, headed by cockerels scoring 92 to 95 points. Ten Standard bred hens to each pen. Eggs for hatching \$1.50, \$2, \$2.50 and \$3 per 15. Range eggs from pure bred birds \$1.25 per 15. All eggs shipped in Erie Baskets. Prompt shipment and a good hatch guaranteed. Address,
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TRI-STATE POULTRY ASSOCIATION
MEMPHIS, TENN.

OPENS SEPT. 28th, CLOSSES OCT. 2nd.
IN CONNECTION WITH THE
GREAT TRI-STATE FAIR ASSOCIATION
SEPT. 28th to OCT. 9th.
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Every premium will be paid in full before the exhibition closes Large new building Every coop new. If you have fine birds for sale bring them to this show—we have buyers who want them. A large number of entries have already been received—get yours in early.

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just before dark and replace it by a new one freshly furnished with foundation. The bees are then shaken from the diseased combs on the new frames or in front of the new hives and the old material carried off to be burned in a hot fire. The hives are disinfected by burning straw inside of them.

In four days the bees will have drawn out comb in their new hive and deposited in it all the diseased honey they had with them. At the end of the fourth day take away this comb and give them still other frames and foundation to use permanently. This treatment carefully carried out is said to be very effectual. Other treatments are suggested in the bee manuals for both forms of the disease, which you should study carefully.

Slungum

The first thing for a beginner to do is to get a good bee book and inform himself thoroughly about the business. Don't begin with bees till you know something about them.

Progressive beekeepers generally hold that the Italian is the best bee, but in a contest the blacks have been known to deposit the most honey. There is perhaps more in good queens than in kind of bees.

In the old countries of Europe through many centuries the bees of each country have adapted themselves to local conditions. So we find the bright Italians in the South, while in the gloomy Alps and Germany, black bees prevail.

If you have a colony without a queen, give them young brood and in about 12 days they will make a new queen. This at least is a reasonable expectation.

When bees are to be moved only a short distance it must be done in winter when, if possible, the bees do not fly for several days—this to prevent their return to the old place.

I never had but one colony to leave the new hive in which I had placed it. It had been smoked severely in transferring from an old box hive. It seemed to make them sick.

You need not expect the queen to come out first in swarming. She is often last, nor is she always found in the cluster. She is usually there, but has no particular position.

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators

SOLINE OIL

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

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High Grade S. C. R. I. Reds

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A MATITE roofs need no painting. The owner need never look at them; they take care of themselves. They are "no-trouble" roofs. They present to the weather a *real mineral surface* against which storm and wind and snow are absolutely powerless. This surface does not require constant painting like the smooth surfaced or so-called "rubber" roofings. The mineral surface is far better than paint.

Of course before Amatite came, the "smooth surfaced" roofings were the best kind to buy. Now that Amatite has been invented and thoroughly tested by years of use, painting a roof is wasteful and unnecessary. The cost of painting a "rubber" roofing from year to year will soon cost more than the roof itself. That is why everybody who knows about roofing is buying Amatite nowadays. *It needs no painting.*

Amatite is easy to lay. Anyone can do the work. Large headed nails and liquid cement come free with every roll.

We shall take pleasure in sending you a sample of Amatite with our compliments upon request.

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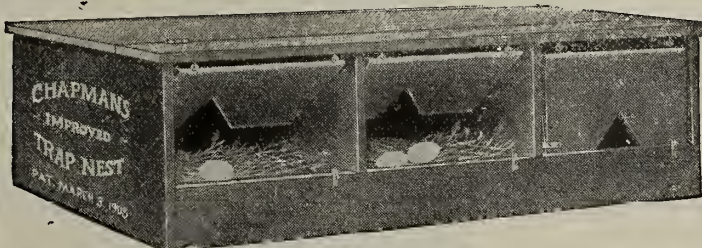


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Is proclaimed by all poultrymen who have seen it to be the most practical and best made nest on the market today. Hundreds of letters and orders are coming in from all over the United States and without a word of dissatisfaction from a single customer; the reason is, because this nest can be depended upon to absolutely trap the hens.

The Chapman nest is made upon honor and constructed on mechanical principles that are bound to make it the leading Trap Nest of the world. A trial order will prove it and we guarantee to refund the money if it does not trap the birds. Write for catalogue.

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BLACK MINORCAS AND BARRED ROCKS

Exhibition and Breeding Birds of High Quality For Sale
Eggs in Season

R. G. McCANTS, Proprietor. HILLCREST POULTRY YARDS, NINETY SIX, S. C.

ASKED AND ANSWERED

Abnormal Eggs

Mrs. Adelia Cadman, of St. Johns, Kansas, wants to know why hens on a large farm where they can have free range and all the grain they can eat, will lay ill-shaped eggs, and whether or not the eggs are all right for hatching.

In replying we would state that ill-shaped eggs are produced by some disease or imperfect action of the oviduct, which comes from over stimulus of that organ in egg production. The size of the farm and free range probably have little to do with the trouble, though over-feeding may.

Abnormal eggs should not be used for hatching purposes. Some will not incubate and others produce monsters.

—T.C.K.

Asthenia

C. C. T., of Atlee, Virginia, wants information about a disease among chickens and ducks in which they eat ravenously but finally get so poor and weak that they can not walk. The birds have no fever and their combs turn pale. There are no symptoms of cholera.

The symptoms indicate what is called asthenia or "going light." The first name means, "without strength" and the latter refers to losing weight. It is caused by a peculiar bacterium found in the intestines.

Treatment consists in thoroughly cleaning up and disinfecting the premises and giving only pure food and water, as well as pure air to breathe. All new fowls must be quarantined till proved free of disease. Apply a five per cent carbolic solution, followed by lime wash to the woodwork of the building and scald all feeding troughs and drinking vessels. Give nutritious but easily digested food but not too wet. If but few fowls are ill, kill and bury them. Medical treatment gives little hope, but you may administer subnitrate of bismuth, three grains; powdered cinnamon or cloves, one grain, and powdered willow charcoal, three grains. Give twice a day mixed with the food.—T.C.K.

STRICKLER'S STRAIN S. C. White Leghorns and Barred Plymouth Rocks. Best egg producers in America; my pullets all have been laying since December and still at it. Think of this, months when eggs bring you fancy prices. The breed that lays is the breed that pays. Can furnish few more nice settings.

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S. C. BUFF LEGHORNS

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WORLD'S BEST

Pen No. 1—\$3.00 per 15. Pen No. 2—\$2.00 per 15.
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Prices one-half balance of season. Send for Catalogue and Photographs.

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White Wyandotte hens at \$1.50 and \$2.00 each. All this year's breeders practically given away to make room for young stock. Special price on large orders.

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That will make fine breeders and fit to show in hot competition. Cockerels and Pullets \$2.50 to \$5.00 each. Choice high scoring show birds a matter of correspondence. The best Northern Blood is in my birds. They speak for themselves. Many have been well pleased, you can also be.

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A teaspoonful to each quart of water will be a sure cure or preventative for all bowel troubles.

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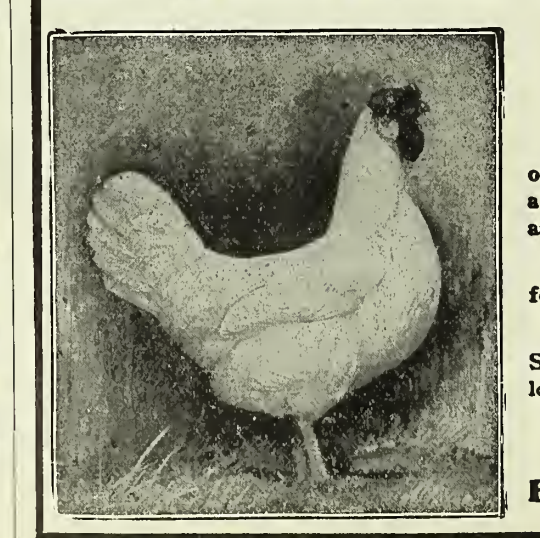
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Winners last season in the hottest competition. Young stock of even higher quality that will help you out in the show room. Better get the pick of the flock before they are gone. Satisfaction or money cheerfully refunded.

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WILL HATCH YOU WINNERS
AND HEAVY LAYERS



One breeder hatched pullets from eggs bought of me last season that won first, second and fourth, at Nashville, Tenn. Plenty more have done just as well.

If you want the BEST for your money in eggs for hatching get my SPECIAL MATING LIST.

I pack eggs so they don't break. Send for my SPECIAL MATING LIST to-day. My Catalog is free, too; get them both.

N. V. FOGG
Box A, Mt. Sterling, Ky.

THE DOG

T. H. E. KENNELMAN

Waited Three Weeks for His Master

For weeks Shep, a blooded Scotch Collie dog, waited at a lonely station in Augusta county, Va., for the return of his absent master. The master, C. F. Dorlan of West Eighth avenue, Denver, when he heard how his devoted pet was he took a railroad trip to Virginia to get possession of the dog and bring him to Colorado. The two have never been separated since.

Doran was at the Union depot last night, waiting for a train to take him to South Platte, Neb., where he is to do some contract work for the Union Pacific Railroad. With him was the dog, Shep.

Mr. Doran patted the dog as he told the following story:

"I left Augusta county, Va., where I had a farm, several months ago. I gave Shep to a neighbor, believing that he would be better off than with me. Shortly after I left he broke his chain and returned to my farm, which was in the hands of strangers. He took up the scent at the farm and followed my footsteps to the railroad station. There he waited for me for three weeks, taking but little nourishment.

"The station agent, knowing the dog and knowing me, wrote to me, describing the dog's actions, about the end of the second week. I immediately left Denver for Virginia and did not rest easy until I arrived at the station, where the dog awaited me.

"There never was a dog more glad. He jumped and frolicked, despite the fact that he was lean for the want of nourishment. Seizing my trousers legs he dragged me in the direction of the old farm. He would run a short distance toward the farm and then return to me. He could not understand why I did not go home. He is contented here, I believe, and his devotion has made such an impression on me that I have never been away from him since."—*Doglovers' Magazine*.

FOR SALE S.L. WYANDOTTES

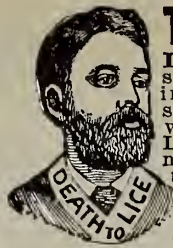
6 Hens, 1 Cock, 1 Cockerel,
Scoring from 89½ to 92¾ under
Judges Marshall, Hutchinson
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A bargain for \$15.00—must
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Commencing May 20th, eggs from RUDY'S
PERFECTION WHITE WYANDOTTES one-half
former prices. Now is the time to get the
best, as some of my most noted prize winners
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Lambert's Death to Lice has no
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COLLIE DOGS

Puppies from registered stock \$5 to \$10 accord-
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S. C. R. I. RED COCKERELS
AT HALF THEIR VALUE
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Two fine litters for sale. One of Beauty
Bright, sired by Shadrack, alias "Ben
Hur". These puppies are almost per-
fectly marked, and are going rapidly.
Orders booked now for delivery within a
few weeks. Prices \$25.00 to \$50.00 for
males, females (only two) \$15.00.

Pedigree with every pup. Satisfaction
guaranteed.

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STOCK FOR SALE—EGGS FOR SALE
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ARE FAMOUS FOR QUALITY IN
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Our show record of the past and coming season will prove our statement. 1000 Choice
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ing and Exhibition Cockerels. No Pullets for sale this season.

H. B. HARK, Manager, **COLUMBUS, O.**



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BRED TO LAY

SINGLE COMB WHITE LEGHORNS

J. A. DINWIDDIE, Route 3, NEW MARKET, TENN.

McINNES' BUFF ROCKS

Some fine Cockerels for sale from
\$3.00 up. Some good Pullets too
--- Breeding them ten years ---

G. F. & B. K. McINNES, Charleston, S.C.

AT STUD

Chief Wonder A. K. C.
86883. Fee \$15.00. A cobby
built, big boned son of
Ch. Woodcote Wonder, most famous bull
terrier of his day. A few choice puppies
sired by Chief ex Pharmacy Queen; she by
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AIREDALE TERRIERS FOR SALE

Litter whelped Jan. 22nd, 1909. Sire,
the sensational champion Briar's Master-
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best American bred Airedale to date. Dam,
the grand imported bitch, Pretty Florrie.
Prices \$20.00 and up; also others of good
breeding.

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AIREDALES. AIREDALES

Registered and pedigreed and farm raised.
Stock from the famous Clonmel Monarch
breed. Splendid pets, good watch dogs,
hunters, trailers, swimmers, retrievers,
wild animal fighters, mousers, Ratters, ver-
min, police and pit dogs. Write whether
you buy or not, to,

DR. L. C. TONEY, HUMBOLDT, ARIZ.

Dogs Have Worms! Dogs Have Distemper! Dogs Get Out of Condition!

If you have a good dog, keep him in
condition and free from worms and dis-
temper by the use of the C. S. R. Reme-
dies. They are the best on the market
today. 50 cents Boxes. Postpaid.

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Show Dates
SEPTEMBER.

September 20-25, Nashville, Tenn. Jno. A. Murkin, Supt; S. T. Campbell, G. A. Heyl, P. F. Hager, Judges.
September 22-24, Pickens, S. C. F. J. Marshall, Judge; J. N. Hallum, Secretary.
Sept. 28th to Oct. 9th—Tri-State Poultry Association in connection with the Tri-State Fair, Memphis, Tenn. Judges: Theo. Hewes, F. J. Marshall and S. T. Campbell. R. C. Stockton, Superintendent, 10 North Second St., Memphis, Tenn.

OCTOBER

October 7-13, Hot Springs, Ark.
October 18-22, Carlisle, Ark. W. S. King, Secretary.

NOVEMBER.

November 1-6, Lake Charles, La. H. K. Ramsey, Secretary.
November 1-7, El Paso, Tex. Miss Ruth Williams, Secretary.
November 8-13, Augusta, Ga. W. A. Herman, Secretary.
November 18-19, Mexico, Mo. E. C. Branch, Judge; L. E. McKee, Secretary.
November 22-27, Beaumont, Texas. H. B. Savage, Judge; J. L. McKinley, Secretary.
November 22-27, Keokuk, Iowa. W. C. Ellison, Judge; Chas. C. Lawson, Secretary.
November 25-27, Honey Grove, Tex. A. S. Galbraith, Secretary.
November 29-Dec 3, Ashley, Ohio. Thos. S. Falkner, Judge; E. C. Slipc, Secretary.
November 30-December 3, Gnadenhutzen, O. P. Feil, Judge; F. R. Grey, Secretary.
November 30-Dec 5, Cincinnati, Ohio. Pierce and Brown, Judges; Dr. O. S. Rightmire, Secretary, 4140 Hamilton Ave., Cincinnati, Ohio.
November 30-Dec. 6, Kenosha, Wis. Shellabarger and Hackett, Judges; E. J. Huber, Secretary.
November 30-Dec. 3, Marion, Ohio. Chas. McClave, Judge; M. G. Dickerson, Secretary.

DECEMBER.

December 1-3, McMinnville, Tenn. B. M. Reams, Secretary.
December 6-11, Mansfield, Ohio. Chas. McClave, Judge; S. F. Ottinger, Secretary.
December 6-11, Shelbyville, Ind. Ben McCracken, Judge; F. R. Hale, Secretary.
December 6-11, Little Rock, Ark. E. S. Rodman, Secretary.
December 6-12, Hamilton, Ohio. W. W. Zike, Judge; W. C. McKenny, Secretary.
December 7-9, Brighton, Ill. Calvin Ott, Judge; J. M. Clark, Secretary.
December 7-11, Upper Sandusky, Ohio. J. P. Cammarn, Secretary.
December 7-11, Washington, D. C. Drevenstedt and Jaquins, Judges; Calvin Hicks, Secretary. Rockville, Md.
December 7-11, Reading, Pa. C. H. Glase, Secretary.
December 7-12, Chicago, Ill. Judges to be announced later; Theo. Hewes, Secretary, 25 West Washington St., Indianapolis, Ind.
December 8-14, Lebanon, Tenn. S. T. Campbell, Judge; W. A. Hale, Secretary.
December 13-16, Farina, Ill. Oscar Wells, Secretary.
December 13-17, Princeton, Ill. W. C. Warnock, Judge; Walter Asche, Secretary.
December 13-17, Bryan, Ohio. Jas. A. Tucker, Judge; T. E. Schrider, Secretary.
December 13-18, Meridian, Miss. F. R. Miller, Secretary.
December 13-19, Beloit, Wis. Calvin Ott, Judge; G. A. Miller, Secretary.
December 13-18, Aledo, Ill. B. F. Dinwiddie, Judge; H. R. Morgan, Secretary.
December 14-18, Pana, Ill. J. A. Bickerdike, Secretary.
December 14-18, South Haven, Mich. Oscar Herbst, Judge; M. H. Mackey, Secretary.
December 14-18, Wapakoneta, Ohio. S. G. Case, Judge; John C. Lear, Sr., Secretary.
December 14-17, Richland, Iowa. Joseph Dagle, Judge; W. H. Davis, Secretary.
December 14-18, Schenectady, N. Y. I. L. Whitmyre, Secretary.
December 15-19, Appollo, Pa. Chas. Gorman, Judge; Geo. L. Rudolf, Secretary, Box No. 117.
December 15-20, Oconomowoc, Wis. J. A. Tucker and H. Vanselow, Judges; O. R. Eddy, Secretary.
December 16-18, Pulaski, Tenn. F. J. Marshall, Judge; Lewis Culps, Secretary.
December 16-18, Van Alstyne, Texas. H. B. Savage, Judge; W. I. McCord, Secretary.
December 16-20, Monroe, N. C. Lee and Cornwell, Judges; J. H. Beckley, Secretary.
December 21-25, Albany, Ind. J. C. Long, Judge; H. Wilson, Secretary.
December 22-24, Keswick, Iowa. W. G. Warnock, Judge; Roy Irwin, Secretary.
December 27-31, Dixon, Ill. Calvin Ott, Judge; A. G. Hill, Secretary.

THE FAMOUS BARRED PLYMOUTH ROCKS

MADE FAMOUS BY EGG LAYING AND WINNING PRIZES

In 1907-'08 they won 33 Regular and 7 Special Prizes. In 1908-'09 they won 58 Regulars and 8 Special prizes. Stock for sale, all eligible for the Show Room. No Culls. Write for new price-list. Everything guaranteed to please.

C. H. DOZIER, (Breeder,) **MARION, ALABAMA**

CLARENCE YOUNG, SWEETWATER, TENN.

BREEDER OF

COCKEREL LINE BARRED ROCKS

He has a fine lot of cockerels and pullets for sale at reasonable prices. Satisfaction guaranteed or your money back. He has a nice seven months old Scotch Collie for sale. If interested write for price and description.

INVESTIGATE THE BANK-BALANCE ROUTE

TRUBAR BARRED ROCKS

YIELD CASH RETURNS

Grand breeding cockerels for sale that will enrich and raise the quality standard of your flock

J. E. HAGE, "Trubar" Originator

BOX 382 **ASHEVILLE, N. C.**

Plant "Trubars" in your breeding yards and watch the dollars grow.



Only a Few Fine Exhibition Birds for Sale

No breeders for sale this season.

If you want to win in the big shows buy a pen from me.

My birds have won North, South, East and West.

JOHN F. CHILDRESS, SWEETWATER, TENN.

POULTRYMEN-- Send 10c for our 1909 Catalogue. Chuck full of useful information. Describes and Illustrates 35 Varieties. You Can't Afford to be Without it.

EAST DONEGAL POULTRY YARDS, Marietta, Pa.

ALABAMA STATE FAIR POULTRY SHOW

BIRMINGHAM, ALA., OCT. 11th to 21st

LIBERAL CLASSIFICATION NEW MANAGEMENT

The largest and most valuable list of Specials ever offered before. Cash Specials in the American, Asiatic, Mediterranean, Orpington and Turkey Classes.

Entry fee, 25c for Singles. \$1.00 for Pens. Pigeons Free. Premiums on Singles, \$2.00 Firsts; \$1.00 Seconds; Third, Fourth and Fifth, Ribbons. Three Individual entries to fill.

Pigeons, \$1.00 Firsts; 75 cents Seconds; Third Ribbon. Entries close Oct. 11, 6 p. m. R. E. Jones, Judge. Premium list upon application to

E. H. GALUSHA, Supt. of Poultry, ENSLEY, ALA.

JOHNSON'S WYANDOTTES, WHITE AND GOLDEN

GRAND PRIZE WINNERS

Breeding stock cheap. Some grand early hatched birds ready for fall shows. Write us your wants.
W. E. JOHNSON & SON, BOX A, LEXINGTON, KENTUCKY

December 27-Jan 1, McKeesport, Pa. W. Soles, Secretary.
 December 27-January 1, Lititz, Pa. Jas. H. Breitegan, Secretary.
 December 27-Jan. 1, Young America, Ind. J. C. Long, Judge; A. D. Wood, Secretary.
 December 28-January 1, Dayton, O. W. C. Pierce, Judge; E. M. Abbott, Secretary.
 December 28-Jan. 1, South Bend, Ind. Theo. Hewes and F. C. Freyermeth, Judges; Paul Heierman, Secretary.
 December 27-Jan. 3, Omaha, Neb. Shellabarger and Rhodes, Judges; F. C. Ahlquist, Secretary.
 December 28-31, Elmore, Ohio. G. A. Weis, Secretary.
 December 29-Jan. 1, Rochester, Ind. W. W. Zike, Judge.

JANUARY, 1910.

January 3-7, Sylvania, Ohio. Stanfield, Mulnix and Emch, Judges; W. B. Harris, Jr., Secretary.
 January 3-8, Polo, Ill.
 January 4-7, Edon, Ohio. J. C. Long, Judge; S. D. Kaiser, Secretary.
 January 5-8, Allegan, Mich. H. A. Emmel, Judge; W. H. Warner, Jr., Secretary.
 January 3-8, Michigan City, Ind. D. A. Stoner, Judge; A. L. Peterson, Secretary, 409 Earl Road.
 January 5-8, Knoxville, Tenn. D. M. Owens and H. W. Blank, Judges; J. E. Jennings, Secretary, No. 202 W. 5th Ave.
 January 10-15, Defiance, Ohio. J. C. Long, Judge; W. O. Steves, Secretary.
 January 10-16, Denver, Colo. J. R. Wilson, Secretary, care of Denver Dry Goods Co.
 January 10-15, Bloomington, Ind. Ben McCracken, Judge; W. J. Von Berrin, Secretary.
 January 10-15, Rochester, N. Y. Webb, Denny, Gardner, Stanton, Cornish and Maunder, Judges; F. A. Newman, Secretary, P. O. Box 472.
 January 10-15, Salt Lake City, Utah. Chas. V. Keeler, Judge; C. J. Sanders, Secretary, 3335 South 7th St.
 January 10-16, Ames, Iowa. S. T. Campbell and Mills, Judges; J. B. Kooser, Secretary.
 January 10-16, Columbus, Ohio. G. R. Haswell, Secretary, Circleville, Ohio.
 January 10-16, Kansas City, Mo. Pierce, Rhodes and Hewes, Judges; P. H. DePree, Secretary.
 January 12-14, Herndon, Va. A. K. Kirk, Secretary.
 January 14-18, Charlotte, N. C. W. Theo. Wittman, Judge; E. G. Wardin, Secretary.
 January 17-21, Hastings, Neb. Rhodes, Ellison and Johnson, Judges; L. P. Ludden, Secretary, Lincoln Neb.
 January 17-21, Wooster, Ohio. Chas. McClave, Judge; Phil. U. Rice, Secretary.
 January 17-22, Cedar Rapids, Iowa. Shellabarger, Keeler and Shanklin, Judges; S. M. Wiley, Secretary.
 January 17-22, Franklin, Ind. W. W. Zike, Judge.
 January 17-22, Lowell, Ind. Ben McCracken, Judge; Frank Malloy, Secretary.
 January 18-22, Logansport, Ind. J. C. Long, Judge; Wm. Grace, Jr., Secretary.
 January 18-22, Van Wert, Ohio. A. B. Shaner, Judge; R. P. Everly, Secretary.
 January 19-22, New Brighton, Pa. A. F. Shaner, Judge; cmfwy Kdt6 p5Reo Kummer, Judge; J. Mays Ecoff, Secretary.
 January 24-30, Danville, Ind. S. B. Lane, Judge; D. R. Jones, Secretary.
 January 25-29, Buffalo, N. Y. C. J. Standart, Secretary, 309 Brisbane Building.
 January 24-30, Toledo, Ohio. Butterfield and Mulnix, Judges; Frank W. Hoff, Secretary, No. 1407 Champlain St.
 January 25-29, Cleveland, Ohio. J. T. Conkey, Secretary.
 January 25-29, Parkers Landing, Pa. W. C. Pierce, Judge; J. S. Brady, Secretary.
 January 25-29, Versailles, Ohio. J. C. Long, Judge; Forest Murphy, Secretary.
 January 26-Feb. 1, Havana, Ill. D. T. Heimlich, Judge; T. B. Drisko, Secretary.

FEBRUARY, 1910.

February 8-11, Indianapolis, Ind. W. W. Zike, Pierce, Tucker and Kummer, Judges; Charles Milhous, Secretary, 2133 South Meridian St.
 February 8-12, Charleston, W. Va. M. S. Gardner, Judge; F. T. Meldahl, Secretary.

The E. Tenn. Poultry Association

Will hold its Fifth Annual Exhibition at Knoxville, Tenn., January 5, 6, 7, 8, 1910. D. M. Owen, of Tennessee, and H. W. Blanks, of Louisiana, judges. The Association will offer a line of handsome Silver Cups as Special Prizes on all leading varieties, in addition to its usual long list of cash and other special. THE INDUSTRIOUS HEN Silver Loving Cup, offered for the "Highest Scoring Pen of Birds in Show, all Classes Competing" will prove a popular feature. We invite exhibitors from all sections of the country to show with us.—JOHN E. JENNINGS, Secretary-Treasurer, 202 W. Fifth Ave., Knoxville, Tenn.

WHITE WYANDOTTES

BRED TO LAY

W. A. LILLARD, 813 Lischey Ave. NASHVILLE, TENN.

S. C. BUFF ORPINGTONS

Mammoth Imperial and Pekin Ducks

Three hundred young and old birds for sale at the very lowest prices. Must be sold as I am going to move.

J. C. DENNIE

WEST LAWN POULTRY YARDS STA. 3, NASHVILLE, TENN.

S. C. BUFF LEGHORNS Embden Geese, Rouen Ducks, M. B. Turkeys, Pearl Guineas.

EGGS, BREEDERS P. M. BROWN, ST. MATTHEWS, KY. WINNERS, LAYERS

Poultry Disinfectants

"INTERNATIONAL" Disinfecting and Deodorizing Liquor will clean your stock of all insect life, keep them clean, also kill all insects in the run, house, etc. You want the BEST. This is IT. Satisfaction guaranteed. Non-poisonous. Stainless. Easily Applied. Disinfects, purifies, deodorizes. Place a trial order NOW. Agents wanted. Prevent loss by killing all disease breeding insects. Our product is guaranteed. The BEST article on the market.

Qt. Can 75c, 1-2 Gallon Can \$1.50, Gallon Can \$2.25

The International Paint Mfg. Co.

Chemical Dept. Division 19

Richmond, Virginia

You Want More Pleasure and Profit

Then here's an opportunity you owe yourself—appreciated by the GOOD WIFE—a chance for the development of thrift in the SON. Replace the drones in your poultry yard with the hustling Buff or Black

ORPINGTON

Which, aside from their SUPERIOR table qualities, have repeatedly won FIRST PLACE in officially conducted laying contests open to all breeds. While choice exhibition specimens command prices which may stagger those who have not as yet grasped the possibilities of this most valued breed. If you cannot afford CHAMPIONS of the show room, let me quote you on specimens rich in their blood—prices you will pay. ALSO REGISTERED JERSEY CATTLE, OF HEAVY PRODUCING FAMILIES, AND GOLDEN FLEECE COTSWOLD SHEEP, shearing up to 24 pounds each. Let me serve you. Your interests are mine.

S. LUTTRELL, WAVERLY, ILL., U. S. A.

COLUMBIAN WYANDOTTES

OF QUALITY

I will sell a limited number of fine breeding females at \$1.50 and \$2.00 each. Eggs for hatching at half price. Send for Circular.

C. L. PATTERSON, AKRON, OHIO

Wilson's White Leghorns Layers - Breeders - Winners

OLD AND YOUNG STOCK FOR SALE

JAS. A. WILSON

OLIVER SPRINGS, TENN.

Pana, Ill., Show

The Third Annual Show of the Pana Poultry Association will be held at Pana, Ill., Tuesday to Saturday, Dec. 14-18, 1909.

Officers of the Association are as follows: Pres., J. Edgar Turner, Pana, Ill.; Sec'y, J. A. Bickerdike, Millersville, Ill.; Supt., E. F. Karls, Tower Hill, Ill.; Judge, Ben S. Myers, Crawfordsville, Ind.

Pana and vicinity is rapidly becoming a leading poultry center. Many people are contracting the "chicken fever" in a most

address the secretary, J. A. Bickerdike, Millersville, Ill.

Concord Fair

As usual, Concord will hold another fair this year, and the dates have been fixed as September 29th to October 1st, inclusive. Annual fairs have been held in this enterprising little town for the last eighteen years, and the 1909 fair promises to be more than usually successful. A large number of entries is expected in the contests for prizes in poul-

their next annual show Dec. 26 to Jan. 31.

They have secured the services of Judge J. C. Clipp, of Saltillo, Ind., for the entire week. Judge Clipp is on his way to Spokane, where he is to judge the show the week after the Salina show.

The President, C. J. Page, will be glad to furnish any information that might be desired.

Pickens, S. C., Show

The Pickens County Poultry, Pigeon and Pet Stock Association will hold its annual Show at Pickens, S. C., September 22-24, 1909. F. J. Marshall, is judge. A great show is assured. Address J. N. Hallum, Secretary Pickens, S. C.

Little Rock, Ark., Show

The Little Rock, Arkansas, Poultry Association 2nd Annual Show will be held Dec. 6-11. S. T. Campbell and H. B. Savage, judges. G. C. Watkins, Supt.; J. M. Foster, Secretary. A \$1,000 show is assured.

Paterson, N. J., Show

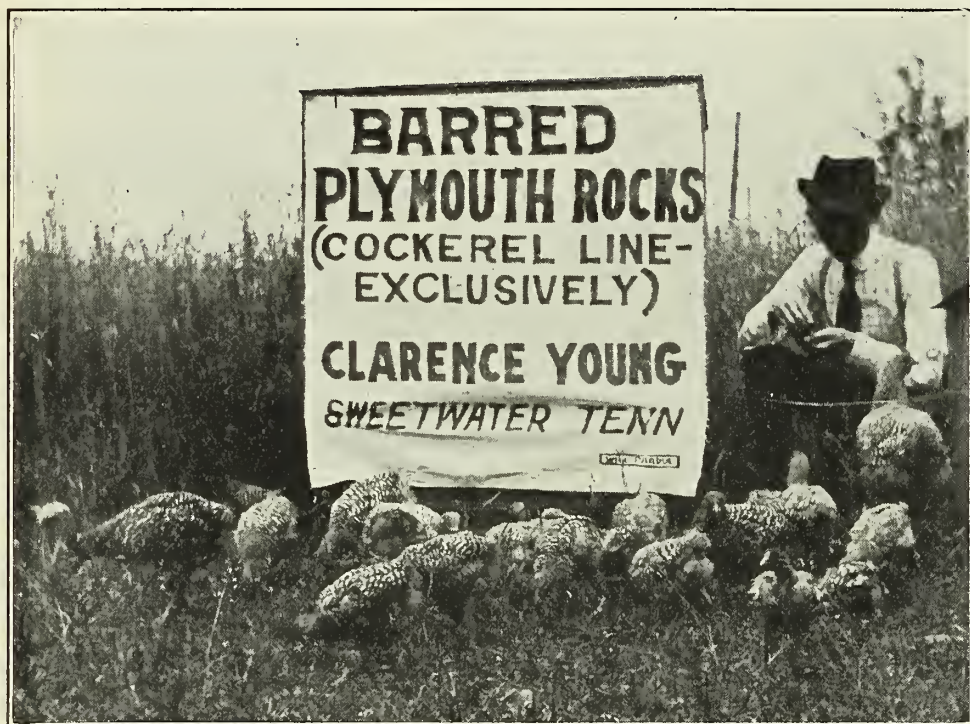
The fifth annual Paterson, N. J., Pigeon and Poultry & Pet Stock Show will be held at the League Hall in Paterson, N. J., on Dec. 1, 2, 3 and 4. Mr. J. H. Woodruff, of Athenia, N. J., is the popular Secretary of the Association.

Buffalo, N. Y., March 25, 1909
Industrious Hen, Knoxville, Tenn.

Gentlemen:—Kindly discontinue our ad in your publication at once. Your paper has brought us larger returns than many journals where rate is twice yours. We intend to enlarge our plant and have no more breeders for sale. Thanking you for past favors and assuring you that when we have stock on sale again our advertisement will appear in *The Industrious Hen*, we are,

Very truly yours, Melrose Squab Co

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.



A Bunch of Promising Youngsters
Bred and Owned by Clarence Young, Sweetwater, Tenn.

substantial way. Birds of quality are changing hands at a high figure. At the last poultry show, fully double the business was transacted than at the previous one.

Exhibitors and dealers will find that it will pay well to put the Pana show on their list, as it is one of the associations that is rapidly coming to the front. Remember the date, Dec. 14-18, and forms for show catalogue close Oct. 1. For further particulars

try, cattle, horses, mules, hogs, etc. There will be many new features put on at this fair and the management will bend every energy to have a fair equal to or surpassing the best ever held anywhere in this section. Mr. John Jones is president and general manager.

Salina, Kas., Show

The "Golden Belt Poultry and Pet Stock Association," of Salina, Kansas, will hold

The Third Annual Exhibition

of the
Asheville Poultry and Pet Stock Association

WILL BE HELD AT
ASHEVILLE, N. C., DEC. 8-9-10, 1909

The "QUALITY SHOW" of the ENTIRE SOUTH, where best Poultry, Pigeons, Cats, Dogs, etc., grown in America will be on exhibition. Two competent Judges will place the awards.

Liberal Cash Premiums, Silver Cups and Ribbons for the Winners. Premiums paid within 48 hours after awards are made.

MRS. C. B. CAMPBELL, Sec.-Treas., ASHEVILLE, N. C.

CHOICE POULTRY YARDS

Can furnish you THOROUGHbred CHICKENS, almost any variety you may desire at reasonable prices. SATISFACTION guaranteed or your money refunded, upon return of fowls, and we pay the return express. Agents for Cyphers Incubators and Poultry Supplies.

Call on or address

J. P. SWIFT & SON, Waynesville, N. C.

RED

**CALLAHAN'S CHAMPION
RHODE ISLAND REDS**

RED FLAME STRAIN

"None better in the whole South."
Prize-Winners everywhere shown.
We breed for Shape, that rich red face
and under-color. Eggs and stock
for sale. Send 2c for catalogue.

CALLAHAN & SON, EAST POINT, GA.



BUFF ROCKS OF QUALITY

A Louisville, Ky., winner, score 93½, our own product. Our Buffs won 1st and 3rd Cocks, 1st and 2nd Cockerels, 2nd and 3rd Pullets, 2nd and 3rd Hens, 1st Pen, Special silver cup for highest scoring Pen. Our first Cock was considered a wonder in color and type. Large, rich golden Buff birds for sale that will please you, at reasonable price. Eggs by the setting or hundred. Giant Bronze Turkey eggs, bred from the largest and finest marked specimens the world has ever produced. Yards headed by first prize winners. J. C. CLIPP, BOX 700, SALTILLO, IND.

S. C. Brown Leghorns and Columbian Wyandottes

Winners of the Blue in Four States and 3 Cups this Season.

We won on Columbian Wyandottes, Nashville, 1st ck., 1st hen; 1st, 3rd ckl.; and 1st pen. At Jackson, Miss., 1st, 2nd ck.; 1st 2nd hen; 1st, 2nd ckl. 1st, 2nd pul.; 1st pen. At Augusta, Ga., held on same dates as Jackson, 1st, 3d ck.; 4th hen; 1st pul.; 4th pen. At Mobile, Ala., 1st, 2d ck.; 1st, 2d hen; 1st, 2d ckl.; 1st, 2d pul.; 1st pen.

On S. C. Brown Leghorns, Nashville,

3rd ck.; 3rd pen. At Jackson, Miss., 1st, 2nd ck.; 1st, 2nd hen; 3rd, 4th ckl.; 1st, 2nd pullet; 1st pen. At Augusta, Ga., (held on same dates as Jackson), 4th ck.; 1st, 2d hen; 3d ckl.; 1st, 2d pul.; 1st pen and cup for best display. At Mobile, Ala., 1st, 2d ck.; 1st hen; 2d, 3d ckl.; 1st, 2d pul.; 1st pen and cup for best pullet in show.

STURTEVANT BROS.

KUSHLA, ALA.

Write us your Wants. Correspondence Solicited

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

Nashville Poultry Show

The Poultry Show which is held in connection with the State Fair at Nashville is conceded by such judges and exhibitors as J. H. Drevensedt, S. T. Campbell, Theodore Hewes, Ernest Kellestrass, U. R. Fishel, G. W. Taylor, and Frank J. Marshall, to be one of the very best poultry shows in the United States.

The exhibition this year will surpass in quality and numbers any exhibition of the kind held in the South heretofore and it will be necessary to provide considerable additional floor-space—in fact the erection of a large tent to provide shelter for the overflow will be up for consideration at the next meeting of the Executive Committee. The indications are that the number of entries will be just about double last year's record and the quality average will remain just as high.

It is to be the biggest show of the season and breeders will be on hand from every section of the country. Applications are coming in rapidly for premium lists and entry blanks and the premiums offered this year are the best ever offered by a State Fair show.

Expenses \$9; Profit \$100

No matter how fine the stock or how much one has of it, if he does not let the public know it by advertising, he will never sell to advantage. THE HEN is the best medium for any Southern man. My wife took a one dollar a month ad. in THE HEN, and it has paid her over one hundred dollars profit in nine months.—A. J. LAWSON, Cleveland, Tenn.



EVERLAY BROWN LEGHORN PULLET
WINNER AT CHICAGO '08

**"EVER LAY" STRAIN
BIRDS OF QUALITY**

S. C. Brown Leghorns

"Ever Layers" "Money Makers"
"Prize Takers"

A hearty strain of heavy layers, not perfection, but hard to improve upon.

H. VIRGIL TORMOHLN
PORTLAND, INDIANA

RHODE ISLAND REDS

ROSE AND SINGLE COMB

Largest Exclusive Breeders of Reds in the South

Eggs for hatching a specialty. Write for our mating list, showing winnings, before placing your order. Safe arrival of eggs, good hatch and satisfaction guaranteed. Eggs from prize pens \$2.00 per 15. Special prize matings \$3.00 per 15.

WEST DURHAM POULTRY FARM, WEST DURHAM, N. C.

Glenview Orpingtons

S. C. BUFF EXCLUSIVELY

I WILL NOT SELL EGGS

for hatching next season. If you want some of the best stock of Orpingtons in the South, **BUY NOW.**

Prices reasonable. Please state your exact wants.

B. S. HORNE, Keswick, Va.

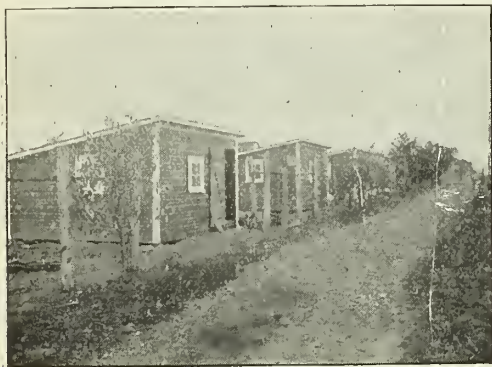
North Alabama Show, Gadsden

The North Alabama Poultry Association will hold its annual show at Gadsden, Ala., Dec. 21, 22 and 23rd, 1909.

Herbert Meeks, President; J. C. Greene, Secretary-Treasurer; F. J. Marshall, Judge. Poultrymen throughout the district are enthused and we are going to have one of the best shows in the South.

Asheville, N. C., Show

The Asheville, N. C., Poultry and Pet Stock Association is doing a grand work in the encouragement of the poultry industry in this state, and is planning to make its campaign along this line still more vigorous and effective. The officers have formed a close co-operative alliance with nearly every breeder in this state. This, together with the large number of exhibits already promised us by out-of-town exhibitors and breeders, will place the Third Annual Exhibition to be held here Dec. 8-10 far in advance of any exhibition held in the "Old North State."



Some of the Poultry Houses, Ridgeview Farm, Willoughby, Ohio

A ribbon won at this show this year will carry much honor and great advertising value to the fortunate exhibitor. Liberal cash prizes, silver cups, and club specials, together with rules and regulations governing exhibits that insure absolute fairness to every exhibitor, new or old.

Send us your birds. Excellent cooping, best care and attention given to every one. Premiums paid within 48 hours after awards are made.

Messrs. J. S. Jeffrey and R. L. Simmons, two well known poultry experts, will place the awards.

Mrs. C. B. Campbell, secretary, will promptly answer all correspondence regarding the show.



Write to W. S. KING, Supt., Lonoke, Ark., for Catalogue.

100 PAGE COOK BOOK Contains all the latest Receipts for Cooking everything, over 200 receipts nicely printed and bound, postpaid 75c. Address
W. H. DUTTON, 704 W. Markham St., Little Rock, Ark.

MARTIN'S QUALITY BREEDS

White, and Columbian Wyandottes, Blue Andalusians, Buff Orpingtons, and Rhode Island Reds.

Martin Poultry Farm
R. 5, Nashville, Tenn.

THE DOLLAR HEN

The Latest Book on Poultry

BY MILO M. HASTINGS, formerly in charge of the commercial poultry investigation of the United States Department of Agriculture. It is written for the people actually engaged in producing poultry and eggs, or for those intending to embark in the business, and in the language of the author, the object of the book is "to help the poultryman to make money, not to spend it."

The book contains over 200 pages, and deals wholly with the practical, money-making side of the business. It is entirely different from anything yet published, and every reader of THE INDUSTRIOUS HEN should have a copy. Publishers' price, \$1.00, but if you order from us, we will include a year's subscription to THE INDUSTRIOUS HEN free, either new or renewal. If already a subscriber we will extend your time for one year from date of expiration. Send only \$1.00 today and get the book, all charges prepaid, and a free year's subscription. You will not be dissatisfied, but will learn and be enabled to apply many new and original money-making ideas that you have not heretofore thought of.

Address

The Industrious Hen Co.

Knoxville, Tenn.

THE NEW BREED—

Buttercups

RECORD—300 EGGS PER YEAR

CIRCULARS AND PRICES SENT WITH PLEASURE

SOME FINE YOUNG STOCK FOR SALE FROM SEPTEMBER ON

J. S. DUMARESQ

(CATO'S HALL)

BASTON, MD.

SEND FOR HOPE'S FREE CATALOGUE OF HOLIDAY JEWELRY

Profusely illustrated, showing the newest and richest creations in Gold, Gem-Set and Tennessee Pearl Jewelry, Watches, Cut Glass, Sterling Silver and other fine gift wares. It's free on request. Hundreds of persons throughout the South satisfactorily deal with us, and we want YOU to be one of our patrons.

Wedding Invitations richly engraved in our own plant.

Send us your Fine Watches to be repaired.

**HOPE BROS. JEWELERS, 519 Gay Street
KNOXVILLE, TENNESSEE**

BARGAINS IN S. C. BROWN LEGHORNS

Good Laying Hens, \$1.00 each. A few Yearling Cocks at \$1.00 and \$2.00. Eggs less than one-half price, \$1.00 and \$2.00 per 15 balance of season. A few White Leghorn Yearling Cocks, \$1.00 and \$2.00 each.

FORBES POULTRY YARDS, New Decatur, Alabama

INTERNATIONAL SHOW



POULTRY, PIGEONS AND PET STOCK
CONVENTION HALL
BUFFALO N.Y. JAN. 25-29, 1910

The above cut illustrates the coming Buffalo show. Notice the benign expression on Uncle Sam and the confiding smile of Miss Canada as they clasp hands in friendly greeting at Buffalo—of poultry, pigeons and pet stock they will each bring their best to this "Great International Show"—Buffalo upholding the Standard of Perfection, upon which is the friendly contest for first prize. This show has been planned by Canadian fanciers and fanciers from the States, who have united to make this show second to none in 1910.

Being centrally located, Buffalo was chosen in 1873 as the meeting place of poultry enthusiasts to organize the great "American Poultry Association." In 1901 the Pan-American again established Buffalo's pre-eminence as a show city, and again in 1910, it will be demonstrated that the poultry fanciers were right in their selection of Buffalo as the place for an "International Show."

The utility bird will have a place in the show and there will be a nicely arranged exhibition of dressed poultry and poultry products in addition to the magnificent display of Standard bred varieties of poultry, pigeons and pet stock.

With a long list of competent and popular judges from both sides it is an assured fact that the best bred birds will bring back the blue from Buffalo.

The newly organized "Get Acquainted Club of Buffalo" will have charge of the entertainment of visitors. Banquets and trips to Niagara Falls and some of the large poultry plants in the vicinity of Buffalo are already on the card.

The Buffalo Chamber of Commerce will arrange for greatly reduced rates on all lines to Buffalo during the show.

Many specialty clubs have already selected Buffalo's "International Show" as the place for their next annual meet.

The developed enthusiasm for poultry shows and the unbounded confidence of Buffalo's business men in the management of this show guarantees a list of cash specials never before equaled, thus demonstrating that "BUFFALO MEANS BUSINESS."

All communications addressed to the Poultry Association Headquarters, C. J. Standart, Secretary, No. 309-11 Brisbane Building, Buffalo, N. Y., will receive prompt attention.

Business White Wyandottes

Trap nests used. Every pen headed by a male hatched from an egg laid by a hen that laid not less than 200 eggs that year.

Business Light Brahmas

Same quality
Stock for sale. Eggs in season.
Circulars free.

MICHAEL K. BOYER Hamonton, N. J.

ADVERTISE

In the

SOUTHWEST POULTRY JOURNAL

This is the lowest rate in America for a poultry paper of a guaranteed circulation of over 8000 each issue; send for sworn circulation. Get all information free. The rate is only

60 CENTS AN INCH

per issue and every advertiser is given a good position. This rate is for ads of any size. Half inch display cards are 40c per issue. The classified rate is very low, in fact the lowest ever offered, being only

1 CENT A WORD

per issue, can you beat this rate? Give this paper a trial at least, the cost is small and the results sure. We reach a territory that no other paper reaches, and a very prosperous people. We reach every state in the Union, Mexico, Canada and Europe.

25 POST CARDS FREE

to every one sending us 25c to pay for our paper one year; the cards are beauties and cannot be bought for 1c each any place in America. Write us today, and subscribe for the best practical poultry paper in the United States.

SOUTHWEST POULTRY JOURNAL

100 and 102 Main Street, - - - - - Bois D'Arc, Missouri

TERRELL'S S. C. RHODE ISLAND REDS

If you want prize winners for the early shows they are ready now. Fancy breeding stock ready to ship. Cockerels growing. Pullets laying. Write for list of winnings. I can please you.

L. K. TERRELL,

BIRMINGHAM, ALA.

The South's Greatest Show

Tennessee State Fair Poultry Show

NASHVILLE, TENN., SEPT. 20-25, '09

Over 3500 Entries Last Year from 20 Different States
Bigger and Better than Ever this Year

DON'T FAIL TO COME AND BRING YOUR BIRDS

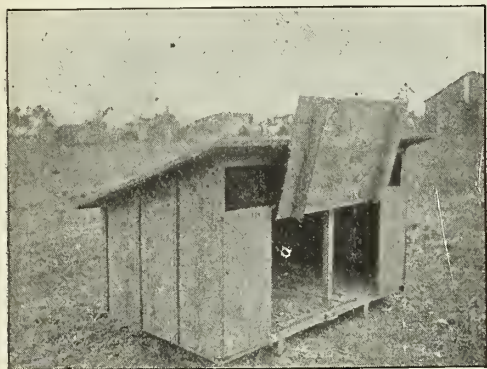
For Premium List and Entry Blanks, address

JOHN A. MURKIN, Supt.,

NASHVILLE, TENN.

Ridge View Farm

Reports are commencing to come in of the result of this year's crop of poultry. We hear from Ridge View Farm, Willoughby, O., the well known Rhode Island Red breeders, that they have some 1600 Reds in the field and that they are better than ever before, as every chick on the place is from their high grade pens. This farm made most creditable winnings both at the big Cleveland show and at Kansas City. They advise that they will be in a position to furnish eggs for the fall



Home-made Colony Coop, Ridgeview Farm
Willoughby, Ohio

trade and as their stock is entirely field grown with unlimited range, they are particularly in a position to furnish strong, healthy chicks and exceedingly high class eggs for setting.



Buff and Columbian Wyandottes

Parties desiring to purchase Buff or Columbian Wyandottes will do well to correspond with Wm. K. Lewis, proprietor Blue Grass Poultry Yards, of Dry Ridge, Ky. Look up his ads in this issue. He has some fine birds and is a nice man to deal with.

TWO BREEDING PENS FOR SALE

To make room for young stock I will sell one pen of Black Orpingtons, headed by Longboat, 1st cockerel at Greater Nashville, 1908, by McClave; and also one pen headed by 1st cockerel, State Fair, 1908, by Pierce. These two Grand Pens will be offered at a reasonable price.

Miss Alice Pe'ton, Nashville, Tenn.
2209 14th Ave. North

24 LEGBANDS FREE MAKE YOUR HENS PAY

We send free 24 of the best Leg Bands made to every new and



renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c. for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps to

The Industrious Hen Co.,
KNOXVILLE, TENN.

\$1,000.00 REWARD

Will be distributed among the fifty persons sending us the greatest number of subscriptions before December 31, 1909

First prize, \$200.00 cash; second prize, \$100.00 cash; forty-eight other prizes valued at \$500.00

Besides this we are giving away many handsome special premiums to all of our agents. Send for complete list of premiums and offer today; it will be sent you free. Address

AMERICAN POULTRY JOURNAL PUBLISHING COMPANY
356 DEARBORN STREET : CHICAGO, ILLINOIS

RIDGE VIEW FARM



RHODE ISLAND REDS

STOP at the SIGN of the RED HEN. Get EGGS to HATCH or HENS that LAY. Ridge View Farm Rhode Island REDS—Best Utility Reds in U. S. Get our SPECIAL OFFER.

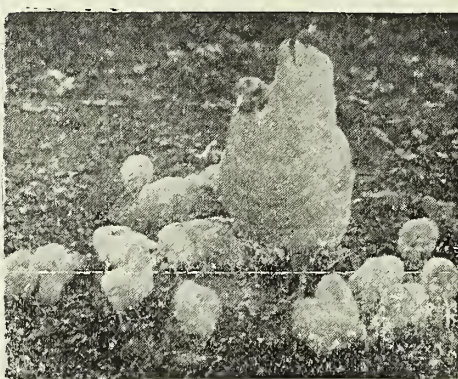
ALFRED G. CLARK

Willoughby, Ohio

Thornhill's BROWN Leghorns

Are Bred to Lay. Are Bred for Show. Are Among the Best. Results Guaranteed. Booking Orders for Spring Delivery. Eggs, \$2.00 per 15.

THORNHILL'S POULTRY YARDS
NEW DECATUR, ALA.



No. 6—Score 93; Egg Record 197.

Blue Blood Winners **HARD TO BEAT** Large Production Layers

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907., 1st 2d cock; 1st cockerel; 1st, 2d, 3d, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs, \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8.00 for 100.

T. L. BAYNE, RUSSELLVILLE, TENN.

LOOKING FOR WINNERS ?

RHODE ISLAND REDS

Write us—we win everywhere. We can place you first in ANY SHOW. Good REDS are hard to find. Our last two records—1st Great Tenn. State Fair—1st, 2d, 3rd Pullet, 2nd Cock., 2nd 'en, 2nd Ckl., 1st Pen, best pen in the show. Best pen in American class, best 15 birds in show. Nashville Winter Show—1st Ckl., 1st, 2nd, 3rd Hen, 1st Cock., 2nd Pullet, 1st Pen, best pen in American class. How's that? 17 years experience in the business counts. Write us.

H. B. LANSDEN & SON

MANCHESTER, TENN.

GREAT LOUSE CHASER

An egg-shaped ball of harmless chemicals that drives lice off hens. Keeps chickens clean and healthy. No "doctoring"—just put

Medicated Nest Egg
under the straw of the nests, or in the coop. Lice flee, never to return. Perfectly harmless to chickens. Big money to agents.

THE H. B. REYNOLDS MFG. CO.
Dept. 140 Fredericktown, Ohio

ORPINGTONS OF QUALITY

BUFF AND WHITE
PRICE OF EGGS REDUCED
Dr. J. A. Posey, Frankfort, Ky.

A. C. SNODDY

Columbian Wyandotte Specialist

Eggs \$1.50 to \$3.00 per 15.

NEWPORT, TENN.

Won 1st pair, Newport; 1st pullet and 3rd cockerel, Knoxville. The highest scoring Columbian in show.

15 BEAUTIFUL ART POST CARDS

All different, postpaid for 25c in silver.

Mention this paper. Address

W. H. DUTTON, 704 W. Markham St., Little Rock, Ark.

FEED LESS EGGS in the summer as well as winter. Let me send you my catalogue of **SINGLE COMB WHITE LEGHORNS**.

A. P. RYLAND, The Chicken Man
Pine Hill Farm, Pine Bluff, Ark.

BOLLINGER'S

White and Columbian Wyandottes

For May and June I offer eggs \$1.50 per 15. A nice lot of yearling hens at \$1.50 to \$3.00 each. A few good males at \$2.00, \$3.00 and \$5.00 each, all bred from my best stock. Catalogue.

R. S. BOLLINGER, Shandon, COLUMBIA, S. C.

SPECIAL TO BREEDERS !

Under this department, name and address, in one line, will be inserted under choice of breeds at 25c for each insertion; \$1.25 for six months, or \$2 for twelve months. Cash to accompany order.

Barred Plymouth Rocks

Mrs. Ora M. Huie, R. 5, Newbern, Tenn.

R. C. Brown Leghorns

Mrs. Laura A. Bryan, R. 9, Lebanon, Tenn.

R. C. Rhode Island Reds

E. W. Allen, West Nashville, Tenn.

Scotch Collie Dogs

Knox Collie Kennels, Knoxville, Tenn

Mammoth Bronze Turkeys

W. R. Brakebill, R. 3, Knoxville, Tenn.

White Holland Turkeys

A. S. Bell, R. 13, Knoxville, Tenn.

R. I. Reds

Indian Poultry Yards, W. Nashville Tenn

Book on Fertilizers, Free

Every progressive farmer is making a study of this important subject. We have an 80-page book with fine colored cover which treats every phase of the fertilization question. Send 10c for 3 sample issues of The Fruit Belt and get this book free. Send today. Fruit Belt Publishing Co., 174 Herald Square, Grand Rapids, Mich.

S. C. BUFF ORPINGTONS

Imported strain, rich golden buff throughout, up to weight. Mine are winter layers, and win the Blue. Eggs \$2.00 per 15. Stock a matter of correspondence.

MRS. LULA LAWSON

Route 4, Box 2, Cleveland, Tennessee

Post Cards Are Fine

Alpena Pass, Ark., June 21, 1909

THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

I received your twelve handsome post-cards and they are certainly fine.

Thanking you for same. I am—H. E. CHICKERING.

Colored Photographic Tour of the World in Post Cards

Fifty water-colored photographs of a "Trip Around the World" in post cards. An actual photographic reproduction from copyrighted negatives in water-colors on a post card, fifty gems of the camera of the wonderful historical spots of the whole world. An edition that cost thousands of dollars to produce, and that cannot be duplicated by any publishing house in the world. The latest and newest perfected system of reproducing mechanically in water-colors, and the beautiful effects of the hand colored photograph. Nothing like it has ever been seen or heard of. Each post card is a perfect gem of art.

These fifty post cards of a "Trip Around the World" have been selected from over two thousand photographs by J. L. Stoddard, J. Ellsworth Gross and M. J. Griffith's negatives. These who are world-wide travelers and authors.

This unique set of water-color photographs, fifty cards in all, has the full description of each subject on the card, packed in a nice, neat cardboard box.

One complete set of 50 of these magnificent water-colored post cards, retail value \$1.25, sent postpaid on receipt of \$1.00 for a three year's subscription to THE INDUSTRIOUS HEN. Simply send us the one dollar with your name and address, plainly written, and say that you want the "Trip Around the World."

THE INDUSTRIOUS HEN CO.,
Knoxville, Tenn.

"I regret very much that I could not send you something for your 'Red' issue, on account of the prolonged illness and death of my father. I believe you will be glad to know that THE HEN has given me great returns this year—all that I could ask or expect." Mrs. Frank Langford, Nashville, Tenn.

Barred Plymouth Rocks for Sale

I AM offering my 1909 breeding stock for sale, consisting of seventy-five hens and seven cocks at such low prices, any one wanting fine birds can't afford to miss this opportunity. They must go as am compelled to have room and if you will write me, am sure you will buy when you get description and price. Remember Hale's Rocks have never been defeated in our best Southern shows. Now is your time to get foundation stock at less than half their value. Write today before too late as they are sure to go.

C. P. HALE, Barred Rock Specialist
R. 1, SWEETWATER, TENN.

Handsome Scotch Collies for Sale

RUMPH'S BUFF ROCKS — BIRDS OF QUALITY

My Birds are bred for the best results. Take note of this: Breeding Stock for sale now at bargain prices. Eggs for remainder of season at \$2.00 for 15, or \$3.50 for 30. Would be pleased to hear from you.

LEWIS B. RUMPH,

State Vice-President,
American Buff Plymouth Club.

Marshallville, Ga.

FALLIN'S BUFF ROCKS

won a total of 22 regular ribbons and 9 specials. Business depressions have compelled me to greatly reduce the size of my flock, but my customers will get the benefit, as I now own a smaller, but decidedly the best flock of my life. If at all interested in Buff Rocks, the best all purpose fowl on earth, write to

(We do not compete with those who have no reputation to lose)

C. T. FALLIN, Southern Vice-President
American Buff Plymouth Rock Club. **GREENVILLE, S.C.**

"Challenge Comparison"—They win at the big shows where winnings count. Last season at the Tenn. State Fair, Charleston, S. C., Charlotte, N. C., and the great National Buff Rock Show here in Greenville they

LATE MAGAZINES

Who Wrote Which

The Century announces in the September number the identity of the authors who contributed the three stories published anonymously in the June, July and August numbers, each having for its theme the thirteen at table superstition. "With the Coin of Her Life" was written by Owen Wister; "The Waiting Hand," by Margaret Deland; and "The Fourteenth Guest," by S. Wier Mitchell. It was Dr. Mitchell who suggested the series.

An Article By Gen. Bingham

General Theodore A. Bingham has written for the September Century his view of "The New York Police in Politics," a presentation which will, of course, have a very timely interest. That his story will not be a pleasant one, "goes without saying."

Papa Would'nt Mind—What?

After being tucked in bed little Madge begged her mother to stay with her until she got to sleep. "For," she pleaded, "it is all dark and Madge is so 'fraid." "But there is nothing to be afraid of," her mother assured her. "Mama must go right down-stairs, for papa is there alone waiting for her. Now try to go to sleep and remember that the angels are right here with you and will take care of you." "Oh, but, mama," wailed the little voice, "I'd rather have you. Please, mama, send the angels down with papa and you stay here with Madge."—The Delineator for September.

WE WANT AGENTS

To take subscriptions to The Industrious Hen. You will find this pleasant and profitable. Write us for particulars.

DOAK'S WHITE WYANDOTTES
The "Foremost Strain" of the Southland in **QUALITY and WINNINGS**
E. L. DOAK & SON, - NASHVILLE, TENN.

BUFF WYANDOTTES THE BEST BREED
Nothing but Prize Winners in my breeding pens
Eggs \$2.00 Per Setting of 15.
W. G. GRIFFIN, BRISTOL, TENN.

THE CLIPPER
will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.
If your dealers do not keep them, let us know, and we will send circulars and prices.
Clipper Lawn Mower Co., Dixon Ill.

TO MAKE ROOM
For my young stock I will offer some of my choice **WHITE PLYMOUTH ROCK YEAR-OLD HENS** in any quantity to suit at \$15.00 per dozen. Also a few male birds to spare, from \$2 to \$10 each. Order direct from this ad. Eggs \$1.00 for 15; \$4.00 per 100.
C. M. WALKER, - HERNDON, VA.

ROSE C. BLACK MINORGAS. COLUMBIAN WYANDOTTES.

Trap nest pedigree layers and exhibition birds for sale. Superb in quality. Are unequaled as egg producers.

S. T. CAMPBELL, Mansfield, O.

Two Dozen Leg Bands Free.

You can't tell what your hens are doing unless you leg band them. You have to pay five cents each if you don't put leg bands on before you go to the show, so get your leg bands, now while you can get them for nothing. THE INDUSTRIOUS HEN has 5,000 of the best leg bands made to give to its readers. These leg bands retail at 15c a dozen. Here's how to get them free. Send us fifty cents for THE INDUSTRIOUS HEN one year and we will mail you 24 of these leg bands. If you have recently paid your subscription you may renew for another year; or if you will get one of your neighbors to send in fifty cents for his subscription, we will mail you a dozen bands each. This gives everybody a chance to get these leg bands free. Don't wait. Write today to THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

Successful White Leghorn Season

"My ad in THE INDUSTRIOUS HEN has brought me inquiries from all over the country, and I have had a very successful season with my white Leghorns.—JAMES A. WILSON, Oliver Springs, Tenn.

CAPON TOOLS

CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use **PILLING CAPONIZING SETS**
Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c. Gape Worm Extractor 25c. French Killing Knife 50c. Capon Book Free.
G. P. Pilling & Son Philadelphia, Pa.

WYANDOTTES, R. I. REDS, COLUMBIANS
Goldens, Whites,—both combs, S.C. Buff Orpingtons
Old stock for sale cheap to make room for young
Dillon & Bell, 4103 Colerain Ave., Cincinnati, O

DES-RENA POULTRY YARDS
GREENVILLE, S. C.

Our Royal Strain of Barred Plymouth Rocks and White Wyandottes are winners wherever shown. Our Rocks are all from E. B. Thompson's Ringlets, Bradley Bros. and C. H. Latham's yards direct. We have some fine cockerels coming on which will be heard from in big shows this fall.

DES-RENA POULTRY YARDS, GREENVILLE, S. C.

MENDLESS HOSE **WARRANTED TO WEAR BY MAKER**
1st grade per 1/2-doz., Men's \$1; sizes 9 1/2 to 11 1/2, in black or assorted colors. Women's \$1.50 per 1/2-doz., sizes 8 to 10 1/2, in black or tan. Write

THE PRUDEN MDSE. CO., .: Camp Chase, Ohio

SHELTON'S BARRED ROCKS
Winners at South's Leading Shows. Bred from Chicago and New York winners. The best in Southland. Eggs after May 1st \$1.50 per 15.
W. T. SHELTON & SON, Antioch, Tennessee

The Weekly News and Farm Journal
CHATTANOOGA, TENN.
PUBLISHED EVERY WEEK. The leading Agricultural Journal of East Tennessee. A paper of large circulation and of splendid value to every farmer in this territory. Regular price 50c per year. By special arrangement we are enabled to offer **The Industrious Hen and The Weekly News and Farm Journal**, both one year for only 50c. Address all orders to
THE INDUSTRIOUS HEN CO., KNOXVILLE, TENN.

McCLAVE'S "Old Reliable" LINWOOD POULTRY YARDS
ESTABLISHED 1874
Practical breeder of prize-winning Wyandottes, Rocks, Leghorns, Turkeys, Geese and Ducks. Winners at the leading shows of America, including New York, Boston, Buffalo, Toronto, Pittsburg, Hagerstown, Cleveland, Chicago, St. Louis and many others. More than 3000 prizes won in past three years. Choice birds for sale at all times. No difference what you want, ask McClave, he has it. :: :: :: :: ::
WRITE
CHAS. McCLAVE, - New London, Ohio

NOTE
THE CLEARNESS OF OUR
CUTS, THEY PRINT WELL



TENNESSEE ENGRAVING CO.
719 CHERRY STREET
CHATTANOOGA, TENN.
WRITE FOR PRICES

PARRISH Breeds Quality Columbian Wyandottes

Parrish breeds and sells more show specimens than any five breeders in the South.

There is a reason for this.
What?

The strongest color lines on earth.

Several of my customers last year in the very warmest competition, not only won color specials, but pinned up the shape specials also.

That is why I claim quality.

Write for Catalogue.

T. REID PARRISH
LICENSED JUDGE
NASHVILLE, TENNESSEE

Concrete For Poultrymen

"Concrete Construction about the Home and on the Farm" is the title of a 160-page book published by the Atlas Portland Cement Co., 30 Broad St., New York. This is about the most elaborate work on the subject that has come to our notice. The book is finely illustrated and contains complete directions in the methods of concrete construction as applied to the various uses about the home and farm. For the use of poultrymen, various designs are set forth with complete detail instruction. Any of our readers may obtain a copy of this book by sending the above Company and mentioning THE INDUSTRIOUS HEN.

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S. W. Cor. Broadway at 54th Street
Near 50th St. Subway and 53rd St. Elevated, and accessible to all surface lines



Ideal Location.

Near Theatres,
Shops, and
Central Park.

New and Fireproof
Strictly First Class in
Every Respect

All Outside Rooms

No Carpets.

All Hardwood
Floors and
Oriental Rugs.

European Plan.

Transient rates, \$2.50 with bath, and up.
Restaurant Unexcelled. Prices Reasonable.

Send for Booklet.

Harry P. Stimson R. J. Bingham
Formerly with Hotel Imperial. Formerly with Hotel Woodward

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HEN-E-TA BONE-GRITS

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED

100 LB. BAG \$2.25 | 50 LB. BAG \$1.50

30% PURE BONE ASH

VALUABLE BOOKLET FREE

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CHASE'S

Blood and Nerve Tablets

The Great Tonic
For Old People

Build Up the Vital Forces.

Price, 50c. Book free. Dr. Chase,
224 N. 10th St., Philadelphia, Pa.

SPRING HILL LEGHORNS

SINGLE COMB PURE WHITE

Summer Bargains in Stock and Eggs
Write for Prices

F. J. HEACOCK, R. 2, Salem, Indiana.
Sec'y Washington Co. Poultry Association.

TO MAKE ROOM FOR REDS

I WILL SELL 1 PEN OF WHITE ROCKS

10 pullets and hens, headed by a Charleston '08, Cockerel. Eggs from Best Strains of

S. C. R. I. REDS FOR SALE

ERNEST A. MARVIN, White Hall, S. C.

SUPPLIES FOR POULTRYMEN

SEND US YOUR ORDERS FOR

LETTER HEADS, ENVELOPES, CIRCULARS, BOOKLETS, CATALOGS, PREMIUM LISTS, and all kinds of Printing. BLANK BOOKS, NOTARY SEALS and STENCILS. EVERYTHING FOR THE POULTRYMAN. Thousands of POULTRY CUTS for the FREE USE OF OUR CUSTOMERS

S. B. NEWMAN & CO., Knoxville, Tennessee
Printers to Her Majesty THE INDUSTRIOUS HEN

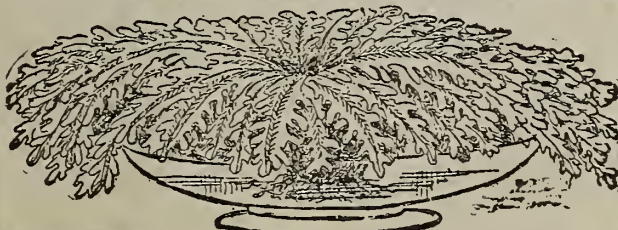
HOUDANS SPECIAL SALE LIST NOW READY
200 grand breeding hens and a few choice male birds at less than one-half price. Must be sold to make room for young stock. Eggs one-half price balance of season.
DR. G. W. TAYLOR, Box H, ORLEANS, INDIANA

Breeder of R. C. RHODE ISLAND REDS

For six years have never lost out in the show room. A nice lot of breeding stock for sale cheap to make room. Eggs balance of season \$1.00, \$1.50 and \$2.00 per 15. Young stock for sale after October the first.

S. L. ALLEN, R. F. D. No. 2, MARIETTA, GEORGIA

Two Sacred Resurrection Plants Free. (The Rose of Jericho.)



Sacred Resurrection Plant (Rose of Jericho.) These rare and curious plants grow and stay green by placing them in water. When taken out of water they dry and curl up and go to sleep. They will keep in this state for years. Simply place the whole plant into water; it will open up and start to grow in about twenty minutes. We will send Farm News, the biggest little paper in the world for the farm home, on trial 3 months for 6 cents. Send four cents to prepay postage and expense on the plants, and 6 cents for trial subscription to Farm News, 10 cents in all.

Either offer separately if desired. Address FARM NEWS, 243 Washington St., Springfield, O

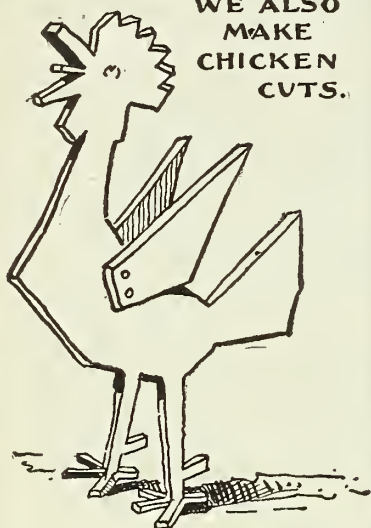
HOLSTEIN-FRIESIAN THOROUGHbred CALVES

FOR SALE AT A GREAT BARGAIN

JOHNSON BIBLE COLLEGE, Kimberlin Heights, Tenn.

NOTICE

WE ALSO
MAKE
CHICKEN
CUTS.



*Photos Retouched ac-
cording to American
Standard of Perfection
Write for Prices.-----*

KNOXVILLE ENGRAVING Co
HENRY ST KNOXVILLE T.

BREEDERS FOR SALE!

White Wyandottes, S. C. White Leghorns, White Rocks
Barred Rocks, S. C. R. I. Reds, White and Buff
Orpingtons, White and Buff Cochins.

Write at once for prices. 2500 youngsters will be ready for September and October delivery. Bear us in mind. Satisfaction always guaranteed.

BELLEVUE POULTRY & STOCK FARM

C. L. MONNOT, Proprietor

JEANERETTE, LA.

One Article Worth the Money

Utica, Miss., April 19, 1909.

The Industrious Hen, Knoxville, Tenn.

Dear Hen:—My husband subscribed for your paper a short while since and I am so much delighted with it that I feel compelled to write you. I think your paper a valuable one, indeed to poultry raisers (I am one) and I would not be without it, since I have gained valuable information from it during the past four months. Mrs. Laura A. Bryan's letter in the April number was worth the price of the paper to me. I am a great fancier of the Rhode Island Reds, have been breeding them for two years and won't have any other kind. According to my idea they are the

best all-around farm chicken we can have. I have invested a little money in prize winning eggs to improve my strain and am trying to raise quite a lot of choice hens and cockerels for sale later and also sell eggs.—Mrs. H. S. Foote.

HAVE YOU EVER TRIED SUNSHINE BRAND

Scratch, Chick, Laying or Develop-
ing Foods? If not, Send To-day
for Samples and Prices

J. H. WILKES & CO.
Dept. H., Nashville, Tenn.

Arkansas State Fair

Beginning Thursday Morning and Ending Wednesday Night

Fourth Annual Industrial Fair, Exposition and Race Meet

OCTOBER 7 TO 13, 1909

SEVEN DAYS

Oaklawn Park, Hot Springs

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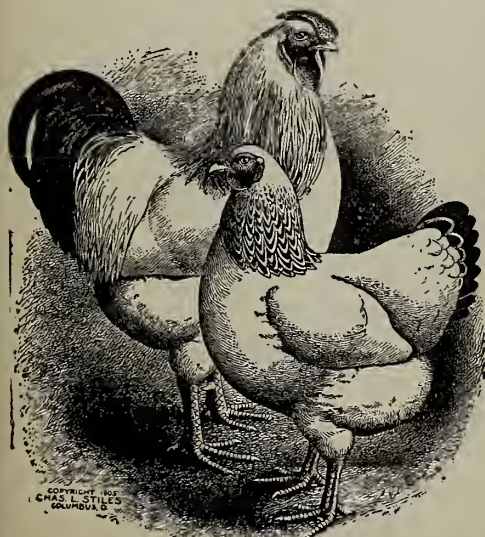
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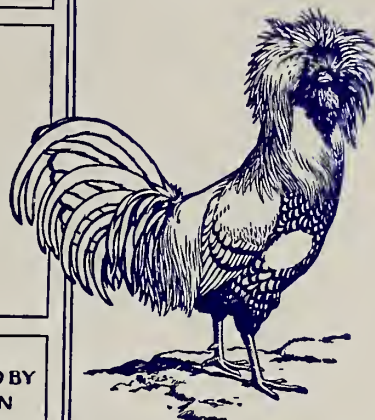
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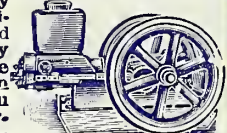
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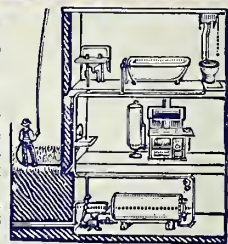
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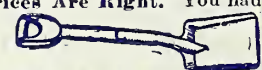
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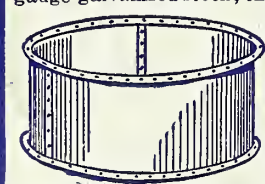
Paint

31c buys our high-grade "Allen" Roofing Paint. We can furnish in Red, Brown or Black. 85c per gallon is our price for our PREMIER 10-year guaranteed ready mixed paints when ordered in full barrel lots; in gallon quantities our price is 98c. We can furnish paints, varnishes, oils, stains, brushes, and in fact everything pertaining to the line. On application we will mail you our color card with full information. We save you money.



Tanks

32-Gallon, Round, Galvanized Steel Tank for \$2.00; made of 20-gauge galvanized stock; the tops bound with angle steel and the bottoms secured between two pieces of flat steel and built extra strong. Tanks ranging up to 38 barrels capacity are made in this shape. Prices from \$2.00 to \$20.00. All kinds of Dipping Tanks, Gas Tanks and Oil Tanks.



Nails

We purchased a cargo of nails in a recent steam-boat disaster. These nails are mixed all kinds together and are more or less rusted, but are straight and good for all general purposes. Makes a fine, handy assortment for all around use. Sizes ranging from about 3d to 30d. Our price per keg of 100 lbs., \$1.50. Also several thousand kegs nails one size to a keg, size from 3d to 30d., price per keg, \$1.75. Nails straight, first class and one size only to a keg, guaranteed condition, per keg, \$2.20. Wire Staples and everything in the nail line is offered at a big saving.



Barbed Wire \$1.75 Per Reel!

At this price we furnish special high-grade galvanized, brand new Barbed Wire. The price is per reel, and each reel contains 80 rods. This material is acknowledged the best wire manufactured. It is made of No. 14 wire and has barbs three inches apart and every reel is guaranteed true to measure. We have an unlimited supply but the price is bound to advance. So act quick.



CUT OUT THIS COUPON

CHICAGO HOUSE WRECKING CO., - CHICAGO

I saw your full page advertisement in THE INDUSTRIOUS HEN. Send me free of all cost your Large, Gen'l. Catalog #13 am interested specially in

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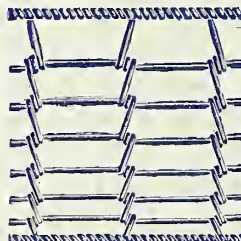
Name

Town and County

R. F. D. P. O. Box. State

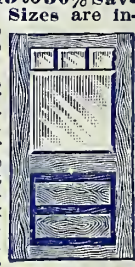
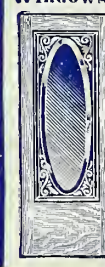
Fencing

The Best Galvanized Woven Wire Fencing manufactured; strictly first-class; made of hard spring wire. Top and bottom wires are made of two wires twisted together to form one extra heavy coil. We can furnish in all sizes and shapes. Our special 26-inch hog fencing with stays 6 inches apart we quote at per rod 19 1/2c. Extra heavy cattle fencing, 46 inches high, with six inch stays, per rod 34c. Our special poultry and rabbit fencing, small enough to turn any poultry or rabbit and heavy enough to turn cattle, 48 in. high, per rod 30c.



Doors & Windows

20,000 Doors and Windows, brand new, first class, at 15 to 50% Savings. The most Staple Sizes are included in this lot. We also have a complete stock of Mill Work, including windows, doors, frames, interior trim, and in fact everything needed to construct or improve your building. Our Prices are Lower than you can get anywhere else. All material is first class stock of Standard Manufacturer. We will save you 40% or more. Write now.



CHICAGO HOUSE WRECKING COMPANY, CHICAGO